

## CURRICULUM VITAE

**Nadja R. Ging-Jehli**

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[Professional Website](#) | [LinkedIn](#) | [GitHub](#)  
(Permanent US resident)

### ACADEMIC APPOINTMENTS

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- 2023 – present      **Brown University**, Providence, RI  
Independent Project Leader, ARC-SNSF scholar (competitive project funding)  
Carney Institute for Brain Sciences
- Leading independent research project including budget oversight and strategic planning.
  - Hired and currently managing a multidisciplinary team (5 members), overseeing all aspects of the project's execution and team collaboration.
  - Sole responsibility for project development, resource allocation, and ensuring the research meets its objectives.
- 2022 – present      **Brown University**, Providence, RI  
Postdoctoral Researcher  
Department of Cognitive & Psychological Sciences  
(main mentor: Michael J. Frank)
- 2013 - 2017      **University of Zurich**, Zurich, Switzerland  
Research Assistant (20-60% employment)  
Department of Economics, Chair of Behavioral and Experimental Economics  
(main mentor: Roberto A. Weber)
- 2013 - 2017      **Swiss Federal Institute of Technology (ETH)**, Zurich, Switzerland  
Laboratory Assistant (20-40% employment)  
Decision Science Laboratory, Department D-GESS, Behavioral Studies

### EDUCATION

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- 2019 – 2022      **The Ohio State University**, Columbus, OH  
Ph.D., Psychology and Neuroscience  
Specialization: Model-based Cognitive Neuroscience  
Dissertation: [\*Characterizing adult attention-deficit hyperactivity disorder \(ADHD\) with a multidisciplinary computational approach including novel neurocognitive testing and physiological measures.\*](#)  
Advisors: Patricia Van Zandt (main advisor; focus on Bayesian approaches), Brandon Turner, Jay Myung, L. Eugene Arnold (clinical advisor), Mary Fristad (second clinical mentor)
- 2018 – 2021      **Wexner Medical Center at The Ohio State University**, Columbus, OH  
Nisonger Center – Department of Psychiatry and Behavioral Health  
Clinical Internship, clinical advisor: L. Eugene Arnold

- 2017 – 2019 **The Ohio State University**, Columbus, OH  
Master of Arts in Psychology  
Specialization: Cognitive Psychology and Neuroscience  
Master's thesis: [On the implementation of computational psychiatry within the framework of cognitive psychology and neuroscience.](#)  
Advisors: Roger Ratcliff (main advisor; focus on frequentist approaches), Patricia Van Zandt, L. Eugene Arnold (clinical advisor)
- 2016 – 2017 **University of Zurich**, Zurich, Switzerland  
Post-Graduate Coursework in Psychology  
Biological Psychology I & II, Neuroeconomics, Social Psychology I & II  
(Neuroscience, Immunology, Genetics, Epigenetics, Endocrinology)
- 2015 – 2017 **University of Zurich**, Zurich, Switzerland  
Master of Arts in Economics  
Minor: Behavioral and Experimental Economics  
Graduation with honors: magna cum laude  
Master's thesis: *Situational determinants of social preferences.*  
Advisor: Ernst Fehr
- 2014 – 2015 **Swiss Federal Institute of Technology (ETH), Zurich, Switzerland**  
Post-Baccalaureate Coursework in Mathematics  
Real Calculus I & II, Linear Algebra I & II
- 2012 – 2014 **University of Zurich**, Zurich, Switzerland  
Bachelor of Arts in Economics  
Bachelor's thesis: *Generosity across economic contexts.*  
Advisor: Roberto A. Weber
- 2008 – 2012 **Zurich University of Applied Sciences (ZHAW)**, Winterthur, Switzerland  
Bachelor of Science in Business Administration  
Bachelor Thesis: *How corporate governance of a consultancy can benefit from findings in behavioral economics – How implicit incentive signals influence intrinsic motivation*  
Advisor: Stefan Schuppisser
- 2007 – 2008 **Commercial Learning School (KLZ)**, Zurich, Switzerland  
Industrial Psychology with Certificate from KLZ
- 2006 – 2007 **AKAD School of Business**, Zurich, Switzerland  
Human Resources Advisor with Certificate
- 2004 – 2007 **Graubündner Kantonalbank**, Chur, Switzerland  
Apprenticeship with Vocational Baccalaureate Diploma

## RESEARCH INTEREST

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**Research Areas:** Computational Psychiatry, Cognitive Neuroscience, Mathematical Psychology, Experimental Social Economics, Computer Science.

**Neuropsychological Focus:** adaptive learning; mental flexibility and behavioral adaptability across cognitive and social contexts with a focus on mechanisms in humans and AI systems.

**Clinical Focus:** ADHD, autism, anxiety, and mood disorders with a focus on individual differences.

**Translational Focus:** autonomous digital neurocognitive tools to improve resilience.

**Modeling Focus:** sequential sampling models, artificial neural networks, biologically inspired neurocomputational models, hierarchical models incorporating learning and meta-cognitive mechanisms, new joint-modeling methods for large behavioral and physiological datasets.

## GRANTS

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|-------------|---|
| 2023 – 2025 | <p><b>Carney Institute’s Advancing Research Careers (ARC) program (NINDS/NIH)</b><br/> <i>Developing and piloting a computationally engineered game environment for wholistic neurocognitive and social assessments</i><br/>           Role: Principal Investigator<br/>           Amount Awarded: 25,000 USD</p> |
| 2023 – 2025 | <p><b>Swiss National Science Foundation</b><br/> <i>Using Computational Psychiatry to explore transdiagnostic features of neurodevelopmental- and mood-related disorders</i><br/>           Role: Principal Investigator<br/>           Amount Awarded: 10,000 CHF</p>  |
| 2019 – 2020 | <p><b>Swiss National Science Foundation</b><br/> <i>Using Computational Psychiatry for Phenotyping ADHD</i><br/>           Role: Principal Investigator<br/>           Amount Awarded: 3,000 CHF</p>  |

## AWARDS AND FELLOWSHIPS

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|-------------|--|
| 2025        | <b>Travel Fellowship Award</b> , Society of Biological Psychiatry SOBP (2,000 USD)                   |
| 2023        | <b>Travel Award</b> , The American College of Neuropsychopharmacology (ACNP) conference (1,000 USD)  |
| 2023        | <b>ThinkSwiss &amp; Fullbright Alumni Travel Award</b> , Embassy of Switzerland in the USA (500 USD) |
| 2023        | <b>Swiss National Science Foundation Postdoc Award</b> , Switzerland (5,300 CHF)                     |
| 2023        | <b>Travel &amp; Networking Award</b> , Women of Mathematical Psychology (500 EUR)                    |
| 2022 – 2023 | <b>NIH Computational Psychiatry Postdoctoral Training (T32)</b> , Brown University (113,680 USD)     |
| 2021 – 2022 | <b>Presidential Fellowship</b> , The Ohio State University (40,000 USD)                              |
| 2019 – 2020 | <b>Swiss National Science Foundation Graduate Fellowship</b> , Switzerland (93,725 CHF)              |
| 2017 – 2018 | <b>University Fellowship</b> , The Ohio State University (20,000 USD)                                |
| 2017        | <b>Graduation with honor: Magna Cum Laude</b> , University of Zurich                                 |

- 2014            **Graduation with honor: Magna Cum Laude**, University of Zurich
- 2012            **Dean's List**, University of Zurich
- 2012            **Rieter-Prize**, Best Bachelor Thesis in 2012, University of Zurich

## CURRENT RESEARCH PROJECTS

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- Developing and piloting novel *computationally engineered game tool (CET)* to study mental flexibility and behavioral adaptability across cognitive and social economic contexts
- Neuronal and attentional signatures of attention-deficit/hyperactivity disorder (ADHD) within a novel cognitive flexibility task
- Creating unified modeling approach, integrating sequential sampling models with neurocomputational models
- Testing joint-modeling approaches for behavioral and physiological data from experimental paradigms

## PEER-REVIEWED PUBLICATIONS

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### [Google Scholar Profile](#)

\*indicates mentees

1. [Ging-Jehli, N.R.](#), Cavanagh, J.F., Ahn, M., Segar, D.J., Asaad, W.F., Frank, M.J. (2025). Basal ganglia components have distinct computational roles in decision-making dynamics under conflict and uncertainty. *PLoS Biology*. [DOI](#)
2. Strittmatter, Y., Spitzer, W.H., [Ging-Jehli, N.R.](#), Musslick, S. (2024). A jsPsych Touchscreen Extension for Behavioral Research on Touch-Enabled Interfaces. *Behavior Research Methods*. [PDF](#)
3. [Ging-Jehli, N.R.](#), Kuhn, M., Blank, J.M., Chanthrakumar, P.\*, Steinberger, D.C., Yu, Z., Herrington, T.D., Dillon, D.G., Pizzagalli, D.A., Frank, M.J. (2024). Cognitive signatures of depression, anhedonia, and affective states using computational modeling and neurocognitive testing. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*. [DOI](#)
4. [Ging-Jehli, N.R.](#), Arnold, L.E., Van Zandt, T. (2023). Cognitive & attentional mechanisms of cooperation – with implications for attention-deficit hyperactivity disorder and cognitive neuroscience. *Cognitive, Affective, & Behavioral Neuroscience*. [DOI](#)
5. [Ging-Jehli, N.R.](#), Painter, Q.A.\*, Kraemer, H., Roley-Roberts, M.E., Panchyshyn, C.\*, deBeus, R., Arnold, L.E. (2023). A Diffusion Decision Model Analysis of The Cognitive Effects of Neurofeedback for ADHD. *Neuropsychology*. [PDF](#)
6. [Ging-Jehli, N.R.](#), Kraemer, H., Arnold, L.E., Roley-Roberts, M.E., deBeus, R. (2023). Latent cognitive components moderate neurofeedback response in ADHD – A computational modeling analysis of a randomized clinical trial. *Journal of Clinical and Experimental Neuropsychology*. [PDF](#)
7. Roley-Robert, M.E., Bergman, R., Pan, X., Tan, Y., Hendrix, K., deBeus, R., Kerson, C., Arns, M., [Ging-Jehli, N.R.](#), Connor, S., Shrader, C., Arnold, L.E. (2022). For Which Children with ADHD is TBR Neurofeedback Effective? Comorbidity as a Moderator. *Applied Psychophysiology and Biofeedback*. [DOI](#)

8. [Ging-Jehli, N.R.](#), Arnold, L.E., Roley-Roberts, M.E., deBeus, R. (2022). Characterizing underlying cognitive components of ADHD presentations and co-morbid diagnoses – A diffusion decision model analysis. *Journal of Attention Disorders*. [DOI](#)
9. [Ging-Jehli, N.R.](#), Ratcliff, R., Arnold, L.E. (2021). Improving Neurocognitive Testing using Computational Psychiatry – A Systematic Review for ADHD. *Psychological Bulletin*. [PDF](#)
10. [Ging-Jehli, N.R.](#), Ratcliff, R. (2020). Effects of aging in a task-switch paradigm with the diffusion decision model. *Journal of Psychology and Aging*. [PDF](#)
11. [Ging-Jehli, N.R.](#), Deepa, M., Hollway J., Hurt, E., Moone, S., Arnold, L.E. (2020). A Placebo-Controlled Pilot Exploration of Cholesterol Supplementation for Autistic Symptoms in Children with Low Cholesterol. *Journal of Developmental and Physical Disabilities*. [Link](#)
12. [Ging-Jehli, N.R.](#), Schneider, F.H., Weber, R.A. (2020). On self-serving strategic beliefs. *Journal of Games and Economic Behavior*. [DOI](#)

### Working Paper

13. Davis, A. L., [Jehli, N.R.](#), Miller, J.H., & Weber, R.A. (2015). *Generosity across contexts*. CESifo Working Paper, No. 5272, Center for Economic Studies and ifo Institute (CESifo), Munich. [PDF](#)

### MANUSCRIPTS UNDER REVIEW

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\*indicates mentees

14. [Ging-Jehli, N.R.](#), Rac-Lubashevsky, R., Bera, K., Zimmerman, A., Roberts, A., Loder, A., Boudewyn, M.A., Carter, C.S., Erickson, M., Gold, J., Luck, S.J., Ragland, J.D., Yonelinas, A.P, MacDonald III, A.W., Barch, D.M., Frank, M.J. (submitted). Model-based EEG phenotyping uncovers distinct neurocomputational mechanisms underlying learning impairments across psychopathologies.
15. Cole, C.R., [Ging-Jehli, N.R.](#), Suarez, J.V., Greenlee, J.D., Wessel, J.R., Espinoza, A.I., Zhang, J., Cavanagh, J.F., Narayanan N.S. (submitted). Theta-frequency subthalamic nucleus stimulation boosts decision threshold.
16. Davis, A. L., [Ging-Jehli, N.R.](#), Miller, J.H., & Weber, R.A. (submitted). *Generosity Across Contexts*.
17. [Ging-Jehli, N.R.](#), Arnold, L.E., Sellers J.\*, Van Zandt, T. (submitted). Broader visual processing and distinct pupil dynamics facilitate resolving perceptual conflict and compensate for ADHD distractibility.
18. [Ging-Jehli, N.R.](#), Weigard, A. (submitted). Lumping versus splitting in mechanistic computational psychiatry models: integrating the search for specialized and task-general functions.

### SELECTED MANUSCRIPTS IN PREPARATION

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19. [Ging-Jehli, N.R.](#), Pine, S.D. (invited review piece, *Neuropsychopharmacology Reviews 2026*). Computational psychiatry insights into youth psychopathology: mechanisms and challenges.
20. [Ging-Jehli, N.R.](#), Arnold, L.E., Van Zandt, T. (in preparation). Characteristics of cognitive maladaptation in ADHD: decomposing error typology, impulsivity, and slower neurocomputational processing during task switching.
21. [Ging-Jehli, N.R.](#), Childers, R.K., Lu, J., Gemma, R., Zhou, R., Frank, M.J. (in preparation). Uncovering Adaptive Decision-Making Over Time and Across Contexts: An Integrative Supertask Approach.

**PUBLISHED CONFERENCE ABSTRACTS**

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\*indicates mentees

1. Ging-Jehli, N. R. (2023). Utility of Computational Phenotyping for Psychiatric Disorders With Low Essentiality: Empirical Findings for Attention-Deficit/Hyperactivity Disorder and Depressive Disorders. In *Neuropsychopharmacology*, 48, 30-30.
2. Ging-Jehli, N. R., & Arnold, L. E. (2023). 13.3 Cognitive Role of EEG Theta/Beta-Ratio for Behavior: Accounting for ADHD Heterogeneity. *Journal of the American Academy of Child & Adolescent Psychiatry*, 62(10), S344. [DOI](#)
3. Ging-Jehli, N., Arnold, L. E., Sellers, J.\*, & Van Zandt, T. (2022). 30.3 Eye-Tracking, Gaze, and Pupil Dynamics in ADHD: Biofeedback Possibilities During Novel Perceptual Conflict Task. *Journal of the American Academy of Child & Adolescent Psychiatry*, 61(10), S323. [DOI](#)
4. Painter, Q. A.\*, Ging-Jehli, N., Arnold, L. E., Roley-Roberts, M. E., & Pan, X. J. (2022). 30.4 The Effect of ASD Features on Neurocognitive Change With Neurofeedback in ADHD: New ICAN Data. *Journal of the American Academy of Child & Adolescent Psychiatry*, 61(10), S323. [DOI](#)
5. Roley-Roberts, M., Kerson, C., Ging-Jehli, N., & Pan, X. (2021). 30.2 Moderating Effects of Psychiatric Diagnoses on Neurofeedback for ADHD at 25-month Follow-up. *Journal of the American Academy of Child & Adolescent Psychiatry*, 60(10), S304. [DOI](#)
6. Ging-Jehli, N., Arnold, L. E., deBeus, R., Roley-Roberts, M., & Kraemer, H. (2021). 30.4 Underlying Cognitive Components Respond to Neurofeedback For ADHD And Moderate Clinical Outcome. *Journal of the American Academy of Child & Adolescent Psychiatry*, 60(10), S305. [DOI](#)
7. Arnold, L. E., Roley-Roberts, M. E., Ging-Jehli, N., Kerson, C., Pumphrey, K., & Loo, S. K. (2020). ADHD Neurofeedback 25-Month Follow-Up, Moderation of Response, and Neurocognitive Subtyping. In *2020 Virtual Meeting. AACAP*. [DOI](#)

**INVITED ACADEMIC, COMMUNITY, AND CLINICAL TALKS**

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|------|--|
| 2024 | Invited Talk   <i>Beyond mechanistic models: leveraging physiological and behavioral measures to study psychopathology across contexts</i> , Rutgers-Princeton Center for Computational Cognitive Neuropsychiatry, Piscataway NJ (USA) |
| 2024 | Invited Talk   <i>Computational mechanisms of behavioral adaptability and their transdiagnostic implications</i> , Yale University, Department of Psychology, New Haven CT (USA)   |
| 2024 | Invited Talk   <i>Promoting resilience with neurocomputational digital tools</i> , The Ohio State University, Department of Psychiatry & Behavioral Health, Columbus OH (USA)  |
| 2024 | Invited Talk   <i>Empowering mental health research &amp; care with integrative neurocomputational, psychiatry tools</i> , National Institute of Mental Health (Host: Daniel Pine), Washington DC (USA)                                |
| 2024 | Invited Talk   <i>Integrative Computational Approaches for ADHD, mood disorders, and comorbidities – with implications for OCD, Functional Neuroimaging &amp; Bioinformatics Lab</i> , Harvard McLean, Boston MA (USA)                 |
| 2024 | Invited Talk   <i>Integrative Approaches for Cognitive Neuroscience &amp; Computational Psychiatry</i> , Translational Neuromodeling Unit, ETH Zurich, Zurich Switzerland (CH)   |

- 2024 Invited Talk | *Promises and Challenges of Computational Psychiatry*, Nicolas Langer Lab, University of Zurich, Zurich Switzerland (CH)
- 2024 Invited Talk | *Innovating Approaches in Social-Cognitive Neuroscience & Computational Psychiatry – Empirical Evidence for ADHD & Depression*, Rebecca Saxe Lab, Massachusetts Institute of Technology, Boston MA (USA)
- 2023 Invited Panelist | *Towards a better ecosystem for managing, caring, and researching mental health conditions*, ThinkSwiss Event at the Swiss Embassy, Washington DC (USA)
- 2023 Invited Talk | *Using game theory and experimental economics to study social-cognitive characteristics in ADHD*, Social-Cognitive Seminar Series at Brown University, Providence RI (USA)
- 2022 Invited Talk | *Addressing ADHD and comorbidities with computational psychiatry: using new integrative testing; refining clinical characteristics; and tailoring treatments*, Brown University, Providence RI USA
- 2019 Invited Talk | *ADHD/ASD – A different way how to perceive the world*, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH USA

## SELECTED CONFERENCE TALKS

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- 2025 Oral Presentation | *Complementary mechanisms in the basal ganglia support cautious decision-making under conflict and uncertainty*, Winter Conference on Brain Research, Lake Tahoe CA (USA)
- 2023 Oral Presentation | *Decoding Complexity: A Deep Dive into Mechanistic Computational Phenotyping for ADHD and Depression*, American College of Neuropsychopharmacology (ACNP) Annual Conference, Tampa FL (USA)
- 2023 Oral Presentation | *Combining mechanistic tasks with innovative sequential sampling models to different slow-down mechanisms*, New England Research on Decision-Making (NERD) conference, Boston (USA)
- 2023 Oral Presentation | *Cognitive Role of EEG Theta/Beta-Ratio for Behavior: Accounting for ADHD Heterogeneity*, American Academy of Child and Adolescent Psychiatry (AACAP) conference, New York City (USA)
- 2023 Oral Presentation | *Dissecting decision dynamics in the basal ganglia*, Mathematical Psychology Conference, Amsterdam (NL)
- 2022 Oral Presentation | *Eye-tracking, Gaze, and Pupil Dynamics in ADHD: Biofeedback Possibilities during Novel Perceptual Conflict Task*, American Academy of Child and Adolescent Psychiatry (virtual), Toronto (CA)
- 2021 Oral Presentation | *Personalized medicine using computational psychiatry*, American Academy of Child and Adolescent Psychiatry (virtual)
- 2020 Oral Presentation | *Neurocognitive subtyping of ADHD by Computational Psychiatry*, International Conference on ADHD by CHADD (virtual)

2020 Oral Presentation | *Using Computational Modeling as a Moderator Analysis to Understand the Benefits of Neurofeedback for ADHD*, American Academy of Child and Adolescent Psychiatry (virtual)

## SELECTED CONFERENCE POSTERS

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2024 Poster Presentation | *Underlying neurocomputational mechanisms of behavioral adaptability*, Cognitive Computational Neuroscience (CCN) Conference, Boston (USA)

2024 Poster Presentation | *Integrating Mechanistic Neurocognitive Tests Across Disorders*, Computational Psychiatry Conference, Minnesota (USA)

2024 Poster Presentation | *Using Computational Modeling to distinguish between anhedonia and depression*, 26th annual Mind Brain Research Day, Brown University, Rhode Island (USA)

2023 Poster Presentation | *Multidimensional computational phenotyping of anhedonia & depression*, Computational Psychiatry Conference, Dublin (IE)

2022 Poster Presentation | *Broader visual processing and distinct pupil dynamics facilitate perceptual conflict and compensate for ADHD distractibility*, Mental Effort Workshop, Providence RI (USA)

2019 Poster Presentation | *Computational Psychiatry: Studying ADHD in neurocognitive tests*, Society for Neuroscience Conference, Chicago, IL (USA)

2019 Poster Presentation | *On the implementation of computational psychiatry to study ADHD*, Institute for Behavioral Medicine Research Conference, The Ohio State University, USA

2015 Poster Presentation | *Generosity across contexts*, Social Norms and Institutions, International Conference at the Congressi Stefano Franscini (CSF) of ETH Zurich, Ascona, TI (CH)

## INTERVIEWS AND MEDIA COVERAGE

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1. **Nadja Ging-Jehli** (2021, January 8). Radio Interview on Computational Psychiatry and ADHD [Video]. YouTube. [Link](#)
2. **Ging-Jehli NR**, Ratcliff R, Arnold LE (2020, December 28). Improving neurocognitive testing using computational psychiatry—A systematic review for ADHD. *Psychological Bulletin*. [Link](#)
3. P. Erika (2021, January 5). Computational Models Could Help Diagnose Children with ADHA, *The Science Times*. [Link](#)
4. Caldwell, Emily (2020, December 30). A pursuit of better testing to sort out the complexities of ADHD. *Ohio State News*. [Link](#)

## LEADERSHIP POSITIONS

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|                   |  |   |
|-------------------|--|---|
| 01/2024 – present | Brown University, Providence, RI, USA<br>Independent Project Leader, ARC scholar | Principal investigator with own funding for independent project. Hired & managing team (2 software engineers, 1 |
|-------------------|--|---|



|                |  |  |
|----------------|--|--|
|                |  | graphic illustrator, & 2 research assistants).   |
| 2012 –<br>2013 | Fehr Advice & Partners AG, Zurich, Switzerland<br>Chief of Staff | Leading 4 team members as strategic business and project manager (serving three executive directors & CEO).                            |
| 2008 –<br>2011 | UBS AG, Zurich, Switzerland<br>Apprenticeship Trainer            | Certified educator for 6 apprentices, educating them in Banking & Finance (off-the-job) and leading their daily business (on-the-job). |

## **TEACHING & MENTORING**

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### **Teaching**

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|------|--|
| 2023 | <b>Brown University</b> , Providence, RI<br>Instructional Designer, Sheridan Teaching Seminar (Certificate I)  |
| 2021 | <b>The Ohio State University</b> , Columbus, OH<br>Graduate Teaching Associate<br>Courses:<br>PSYCH2220: Data Analytics in Psychology<br>PSYCH5613H: Biological Psychiatry<br>PSYCH5614: Cognitive Neuroscience<br>PSYCH3331: Abnormal Psychology<br>PSYCH4475: Psychology of The Self |

### **Workshop Presenter/Leader**

|      |  |
|------|--|
| 2025 | <b>Winter Conference on Brain Research</b> , Lake Tahoe, CA<br>Lecturer, Introduction to Modeling Behavioral and Neural Data with HSSM |
| 2024 | <b>Brown University</b> , Providence, RI<br>Lecturer, Carney BRAINSTORM Computational Modeling Workshop                                |
| 2024 | <b>Rutgers University</b> (New Brunswick, NJ)<br>Organizer, Modeling Workshops in Computational Modeling for Psychiatry                |
| 2024 | <b>Columbia University</b> (New York, NY)<br>Organizer, Modeling Workshops in Computational Modeling for Neuroscience                  |

### **Mentoring (students' projects)**

|                      |   |
|----------------------|---|
| 01/2024 –<br>present | Pranavan Chanthrakumar (MD/PhD Graduate student, Brown University)<br>Cognitive computational modeling / Computational psychiatry |
| 01/2024 –<br>present | Ziwei Cheng (PhD Graduate student, Berkeley University)<br>Cognitive computational modeling / Computational psychiatry            |

- 09/2023 – Elizabeth Duchan (Undergraduate student, Brown University)  
12/2023 Capstone project in decision sciences
- 08/2023 – Ahmed Abdelbaki (Medical student, The Ohio State University)  
12/2023 Statistics
- 09/2022 – Quinn Painter (Clinical PhD Graduate student, Creighton University)  
04/2023 Statistics (linear mixed modeling)

**Research Assistants**

| <b><u>Dates</u></b> | <b><u>Name and University / Institution</u></b>  | <b><u>Research Study</u></b>  | <b><u>Subsequent Position</u></b>                            |
|---------------------|--|---|--|
| 09/2024 - present   | Nada Saaidia (Research assistant in Cognitive Neuroscience, Brown University)          | Computational Cognitive Neuroscience  |  |
| 09/2022 – present   | Swarag Thaikkandi (Research assistant as part of a Conte Center Collaboration)         | Cognitive computational modeling  |  |
| 08/2024 – 12/2024   | Nichols Macfadyen (Research assistant in Computer Science, Brown University)           | Computational Psychiatry  | Undergraduate student, Computer Science, Brown University    |
| 06/2024 – 12/2024   | Seik Oh (Summer Intern & Research assistant in Computer Science, Brown University)     | Computer science & Cognitive Psychology   | Master student, Computer Science, Brown University           |
| 09/2023 – 12/2023   | Shiqi Wang (Data Science student, Brown University)                                    | Statistical analyses & machine learning   | Undergraduate student, Data Science, Brown University        |
| 09/2022 – 04/2023   | Pranavan Chanthrakumar (Semester Intern as medical graduate student, Brown University) | Computational Psychiatry  | MD/PhD student, Brown University                             |
| 09/2022 – 04/2023   | Qile Jiang (Undergraduate student in Mathematics, Brown University)                    | Cognitive computational modeling  | Undergraduate student, Mathematics, Brown University         |
| 08/2020 – 05/2022   | Prateek Palsule (Undergraduate student in Psychology, The Ohio State University)       | Van Zandt lab (mentoring in: conducting statistical analyses, collecting eye-tracking and EEG data, applying computational models, applying to graduate school) | Undergraduate student, Psychology, The Ohio State University |
| 08/2020 – 05/2022   | Karly Britt (Undergraduate student in Public Health, The Ohio State University)        | Van Zandt lab (mentoring in: conducting statistical analyses, collecting eye-tracking and EEG data,   | Graduate student, Public Health, Boston University           |

|                      |  |   |  |
|----------------------|--|---|--|
|                      |  | applying computational models, applying to graduate school)   |  |
| 08/2020 –<br>05/2022 | Aditya Maroju (Undergraduate student in Economics, The Ohio State University)                    | Van Zandt lab (mentoring in: conducting statistical analyses, collecting eye-tracking and EEG data, applying computational models, applying to graduate school) | Graduate student, Economics, Georgetown University                         |
| 08/2020 –<br>05/2022 | Jacob Sellers (Undergraduate student in Neuroscience, The Ohio State University)                 | Van Zandt lab (mentoring in: conducting statistical analyses, collecting eye-tracking and EEG data, applying computational models, applying to graduate school) | Graduate student, Cognitive neuroscience, Michigan University at Ann Arbor |
| 02/2019 –<br>12/2019 | Shea Connor (Graduate student in Clinical Psychology, University of North Carolina at Asheville) | Arnold lab (Conducting laboratory experimental paradigms)   | Clinical Research Assistant, University of North Carolina at Asheville     |
| 02/2019 –<br>12/2019 | Alex Lingel (Undergraduate student in Psychology, The Ohio State University)                     | Ratcliff lab (Conducting laboratory experimental paradigms)   | Clinical Research Assistant, Centricity Research                           |
| 02/2019 –<br>12/2019 | Madeline Thomas (Undergraduate student in Psychology, The Ohio State University)                 | Ratcliff lab (Conducting laboratory experimental paradigms)   | Associate Researcher, InfinixBio   |
| 02/2019 –<br>12/2019 | Catherine Panchyshyn (Undergraduate student in Neuroscience, The Ohio State University)          | Ratcliff lab (Conducting laboratory experimental paradigms)   | Chemistry Teacher, Bio Med Science Academy                                 |
| 01/2018 –<br>12/2018 | Justin Voyzey (Undergraduate student in Economics, The Ohio State University)                    | Krajbich lab (Eye-Tracking Study)   | Undergraduate student, The Ohio State University                           |
| 01/2018 –<br>12/2018 | Sam Stelnicki (Undergraduate student in Economics, The Ohio State University)                    | Krajbich lab (Eye-Tracking Study)   | Graduate student, Economics, The Ohio State University                     |
| 01/2018 –<br>12/2018 | Saarthak Gaur (Undergraduate student in Economics, The Ohio State University)                    | Krajbich lab (Eye-Tracking Study)   | Financial Analyst Intern, HealthPlan Data Solutions                        |

## **PROFESSIONAL EXPERIENCE**

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- 2012 – 2013    **Fehr Advice & Partners AG**  
Chief of Staff & Consultant (100% employment), Zurich, Switzerland
- 2007 - 2012    **UBS AG**  
Private Banking Assistant, Wealth Management (Executive & Entrepreneur Desk),  
(100% employment), Zurich, Switzerland  
Private Client Banker (100% employment), Rüslikon, Switzerland  
Relationship Banker (100% employment), Zollikerberg, Switzerland

## **ENTREPRENEURIAL EXPERIENCE**

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- 2023 – present    **BGBehavior LLC**, Providence, RI USA  
Co-Founder (Advisory Board Member)

## **INTERNSHIPS & APPRENTICESHIPS**

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- 2018 – 2021    **Clinical Internship**, Nisonger Center, Department of Psychiatry and Behavioral Health, clinical advisors: L. Eugene Arnold, Jill Hollway
- 2019            **Clinical Exchange**, Cincinnati Children’s Hospital Medical Center,  
host: Jeffery N. Epstein
- 2013            Statistical Bureau, City of Zurich, Zurich, Switzerland  
Data Scientist (60% employment)
- 2004 – 2007    Graubündner Kantonalbank, Chur, Switzerland  
Apprenticeship with Vocational Maturity Diploma (100% employment)

## **EDITORIAL & REVIEWING EXPERIENCE**

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### **Ad-hoc Reviewing**

Biological Psychiatry; Brain; Clinical EEG and Neuroscience; Cognitive, Affective, & Behavioral Neuroscience; Cognitive Science; European Child & Adolescent Psychiatry; Frontiers in Psychology; Journal of Autism and Developmental Disorders; Journal of Cognitive Neuroscience; Molecular Psychiatry; Nature Communications; NeuroImage; Neuropsychology; Neuroscience and Biobehavioral Reviews; Psychological Medicine; Science Advances

### **Conference Reviewer**

Cognitive Computational Neuroscience (CCN) conference; Multi-Disciplinary Conference on Reinforcement Learning and Decision Making (RLDM)

### **Grant Reviewer**

Wellcome Funding

**SERVICE RECORD**

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- 2025 Panelist, “How to succeed as a postdoc” symposium, CoPsy Department Retreat in Southbridge MA (USA), *Brown University*
- 2024 – present Writer, CPN Modeling Blog Series for educating a broad audience in computational neurocognition & psychology [Modeling Blogs | Nadja Ging-Jehli \(gingjehli.com\)](https://gingjehli.com)
- 2024 ARC program representer. Annual Postdoctoral Symposium, *Brown University*
- 2023 – present Consultant in computational modeling, *The Ohio State University, Brown University, University of Iowa, University of Minnesota*
- 2023 Advisor, Students’ capstone projects in decision sciences, *Brown University*
- 2022 Modeling advisor, *Open-source HDDM toolbox*
- 2022 Statistical advisor, Medical and clinical students conducting statistical analyses in SPSS & R, *The Ohio State University, Creighton University*
- 2020 – 2022 Undergraduate Mentor, PhD applications (writing workshop, review materials, interviews), *Brown University, The Ohio State University*
- 2021 Guest lecture, Undergraduate course: How to find research topics and how to apply for PhD programs, *The Ohio State University*
- 2019 Presenter, Internal workshop for undergraduates: Using R to simulate data with the diffusion decision model, *The Ohio State University*
- 2011 Volunteer guest lecturer, Topic: What is Macroeconomics and how to handle money responsibly? *High school in Pfaeffikon, ZH (Switzerland)*

**PROFESSIONAL AFFILIATIONS**

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Psychonomic Society  
 Society for Mathematical Psychology  
 Society for Neuroscience  
 Member of SwissImpact  
 Transcontinental Computational Psychiatry Workgroup (TCPW)  
 Women of Mathematical Psychology

**PROFESSIONAL DEVELOPMENT**

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**Neuroscience**

- 2023 Computational Cognitive Neuroscience (1 semester; course by Michael J. Frank), *Brown University*
- 2018 - 2019 Foundation of Neuroscience I and II, School of Medicine (1 year), *Ohio State University*
- 2017 - 2018 Neuroscience Lab including Brain Dissections (1 year), *Ohio State University*
- 2017 Behavioral Endocrinology, School of Medicine (1 semester), *Ohio State University*
- 2017 Introduction into fMRI (1 semester), *Ohio State University*

### **Computational Modeling**

- 2023 Reinforcement Learning Workshop (1 day), Mathematical Psychology Conference
- 2022 Dynamic Causal Modeling Workshop (2 days), Brown University
- 2022 Computational Modeling Workshop (2 weeks), Carney Center for Computational Brain Science
- 2022 Modeling EEG Data Workshop (2 weeks), Brainstorm EEG Challenge, Brown University
- 2019 Computational Psychiatry Workshop (1 week), Zurich (Switzerland)

### **IT & MedTech**

- 2022/2023 Med Tech Leadership Program (6 months), New England Medical Innovation Center
- 2007 European Computer Driving License Certificate (1 year), Chur (Switzerland)
- 2007 Swiss IT Certificate (1 year), Chur (Switzerland)

### **Leadership & Teaching**

- 2023 Sheridan Teaching Certificate (1 semester), Brown University
- 2008 Leadership Workshop for apprenticeship trainers (1 week), UBS AG

### **TECHNICAL SKILLS**

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**Languages:** German (Native); English (Full Professional Proficiency – Oral and Written); French Full Professional Proficiency – Oral and Written; Italian (Basic -Oral and Written), DELI-diploma

**Operating Systems:** Linux, IOS (mac), Microsoft

**Statistical Software:** R; STATA, SPSS, WinBUGS, SAS, JASP, SciPy, NumPy, PyMC3/4

**Computational modeling software:** Stan, BRMS, EMC, DMC, HDDM, HSSM, fast-DM

**Experiment Design Tools:** z-Tree, Psychtoolbox, jsPsych

**Programming Languages:** C++, Python, LATEX, Fortran, MATLAB (e.g., Signal Processing, ERPLab)

**Other:** Bash, Git, GitHub, PyTorch, emergent (biologically inspired neural networks)

**Hardware & Technology:** Eye Tracking (Eyelink and Gazepoint); Full-cap electroencephalographic (EEG) studies; fMRI data

### **COMPUTATIONAL MODELING SKILLS**

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**Modeling Frameworks:** Bayesian & Frequentist frameworks; integrative frameworks of jointly modeling different data types (e.g., behavioral and physiological data)

**Computational models:** Sequential sampling models (e.g., diffusion decision model); Descriptive distribution models (e.g., ex-Gaussian distribution modeling); Reinforcement learning models (e.g., RLWM modeling); Biologically inspired neural network models (e.g., PBWM modeling)

**Machine Learning:** Support vector machines; Cluster-based analyses; Logistic regression; Principal and independent component analyses; Factor analyses; Deep neural networks

**Statistical Analytics:** Multi-level linear mixed modeling; Bayesian hierarchical modeling; Moderator and Mediator analyses (including important aspects in the context of randomized clinical trials); ANOVA; Simple and multivariate regression; Time Series Analysis; Structural equation modeling; Dynamic causal modeling