
Research Interests

I am interested in applying advanced modeling techniques to analyze and simulate decision-making in complex environments. My primary focus is on the intersection of psychology, mathematics, and finance — especially the use of Bayesian methods, latent trait models, and stochastic simulations to understand human behavior in uncertain systems. I aim to develop predictive models that are both interpretable and grounded in behavioral theory, with applications in quantitative finance, psychometrics, and algorithmic forecasting.

Education

- Jan 2022 – **Bachelor of Arts, Major in Psychology, Minor in Sociology**, *McGill University*,
Present Montréal, QC
- David Wolfson Entrance Scholarship for academic excellence
- Jun 2021 **Baccalauréat, specialization in Geopolitics and Sociology**, *Lycée Franco Mexicaino*, Ciudad de México
- Mention Très Bien avec Félicitations du Jury

Research Experience

- Jan 2025 – **Volunteer Research Assistant**, *CIEL Lab*, Supervisor: Dr. Marina Doucerain,
Present UQAM, Montréal, QC
- Contributing to a multi-year longitudinal study on cultural adaptation and well-being
 - Participated in bi-weekly lab meetings on cultural psychology and research design
 - Also pursuing independent research on behavioral modeling, with applications in finance and psychometrics

Relevant Experience

- Jan 2023 – **Tutor**, *Tutorat Pro*, Montréal, QC
Present
- Provided personalized academic support in French and mathematics
 - Adapted teaching strategies for students with learning difficulties
 - Maintained communication with parents to track student progress
- Sep 2024 – **Youth Program Facilitator**, *Tyndale St-Georges Community Centre*, Montréal, QC
Present
- Coordinated and facilitated educational, creative, and recreational activities for a group of over 60 children aged 5–11
 - Provided individualized support to smaller groups of toddlers (10 months to 3 years) and a neurodivergent child with autism, fostering inclusion and engagement in a supportive environment
 - Developed play-based learning strategies tailored to diverse developmental needs

Volunteer Experience

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- Jan 2021 – **Museum Volunteer and Translator**, *Museo Casa del Risco*, Ciudad de México
- Dec 2021
- Translated over 20 educational materials from French and English into Spanish, enhancing accessibility for 300+ international visitors
 - Developed and led bilingual guided tours for diverse age groups, improving cross-cultural engagement and historical understanding
 - Designed interactive educational activities for children to explore cultural heritage in a playful and inclusive way
 - Cataloged and organized library resources to support the museum’s educational outreach programs

Clubs

- Jan 2025– **Member – Game Development Club**, *McGill University*
- Present
- Exploring game design principles for use in psychometric applications
 - Participating in discussions and development challenges to inform thesis work on gameplay-based psychological assessment
 - Independently working on concepts integrating psychological traits into interactive environments

Languages

French Native
English Fluent
Spanish Fluent
Italian Proficient

Skills

Programming & Modeling R, Python (beginner), SQL (basic)

Statistical Tools SPSS, NVivo, PyMC (learning)

Document & Data LaTeX, Markdown, Git, Microsoft Office, Zotero

Other 3D modeling and animation (Blender)

Certifications

Ethics TCPS 2: Core Tutorial – Research Ethics

Training SPSS, NVivo, Python, and R (Udemy-certified)

Additional Work Experience

- Apr 2024 – **Pastry Chef**, *La Spada*, Montréal, QC
- Oct 2024
- Jan 2024 – **Chef de Partie**, *Pullman*, Montréal, QC
- Apr 2024
- Jul 2023 – **Chef de Partie**, *Pigeon Café*, Montréal, QC
- Dec 2023
- Jan 2023 – **Chef de Partie**, *Juliette et Chocolat*, Montréal, QC
- Jun 2023