

As a data scientist with a unique background in human psychology, I specialize in enhancing product development through data-driven insights. My expertise includes statistical/ML modeling, causal inference, data visualization, and ETL pipeline design. I'm proficient in Python, R, and SQL, and passionate about working with emerging technologies and applying my skills to drive positive societal impact.

Education

- **PhD, Applied Cognitive Science**, University of Guelph, Canada 2011 – 2017
- **Master of Arts, Psychology**, Carleton University, Canada 2009 – 2011
- **Bachelor of Arts, Psychology (CS Minor)**, Bishop's University, Canada 2005 – 2009

Work Experience

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|---|--|----------------------------|
| Data Scientist / DS II
Educators Product Team | Prodigy Education
Toronto, Canada | Jun 2020 – Present |
| <ul style="list-style-type: none">• Co-led a team in prototyping and evaluating a generative AI "Math Mentor", demonstrating innovative prompt engineering and AI-driven educational solutions.• Spearheaded the design and evaluation of over 20 experiments with Teacher and Student users, enhancing user engagement and learning outcomes.• Established KPIs and metrics to effectively measure Educator program objectives, showcasing strong analytical skills and strategic thinking.• Developed ETL pipelines and dashboards, facilitating data-driven decision-making.• Generated actionable insights from user data, informing product strategy and contributing to the creation of high-quality, user-centered learning experiences. | | |
| Data Scientist
Behavioural Science Team | Clover Health
New Jersey, US | Nov 2018 – Mar 2020 |
| <ul style="list-style-type: none">• Designed and analyzed over 25 behavioral science health interventions, demonstrating proficiency in creating impactful, data-driven solutions.• Collaborated with product teams to scale high-impact interventions, employing algorithms for identifying eligible users and analytical designs to evaluate impact, reflecting skills in strategic thinking and cross-functional collaboration. | | |
| Research Scientist
Measurement & Technology Team | Datacubed Health
New York, US | Jan 2018 – Nov 2018 |
| <ul style="list-style-type: none">• Collaborated with the mobile app team to develop and validate novel mobile assessments of neurocognitive functioning, ensuring alignment with research standards. | | |
| Adjunct Associate Professor
School of Professional Studies | Columbia University
New York, US | Aug 2018 – Dec 2018 |
| <ul style="list-style-type: none">• Courses taught: APAN K5500 3 Data Visualization & Design | | |
| Asst. Research Scientist
Measurement & Technology Team | New York University
New York, US | Mar 2017 – Dec 2017 |
| <ul style="list-style-type: none">• Managed the selection, implementation, and validation of 100+ mobile psychological assessments | | |
| Graduate Teaching Assistant
Department of Psychology | University of Guelph & Carleton University
Ontario, Canada | 2010 – 2017 |
| <ul style="list-style-type: none">• Courses taught: Cognitive Psychology, Non-Experimental Research Methods, Introductory Psychology, Design and Analysis in Psychological Research | | |

Technical Skills

- **Languages:** R, Python, SQL
- **Libraries:** tidyverse, tidymodels, ggplot2; numpy, pandas, statsmodels, sklearn, plotly
- **Technologies:** Databricks, Snowflake, Sisense, Segment, dbt