

EDUCATION

- **Brown University** Providence, RI
B.Sc. in Applied Mathematics & Computer Science; Honors, Magna Cum Laude, GPA: 4.00 Sep. 2014 – May. 2018
- **The York School** Toronto, ON
International Baccalaureate Diploma; Valedictorian, Overall Average 98.3%, 43 IB Sep. 2012 – June. 2014

RELEVANT WORK EXPERIENCE

- **Allen Institute for Artificial Intelligence** Seattle, WA
Predoctoral Young Investigator July 2018 - Present
 - Worked on various research projects (from meta-reinforcement learning to low-shot classification) as a member of the Computer Vision team. One paper in submission and more to come.
- **Facebook** Menlo Park, CA
Software Engineering Intern May 2017 - Aug 2017
 - As a member of the Computer Vision team within Applied Machine Learning, I researched, designed, and operationalized a model for video content.
- **Brown University Computer Science Department** Providence, RI
Teaching Assistant Sep 2015 - May 2017
 - Responsibilities included preparing and running labs and recitations, creating and grading course assignments, holding regular office hours, and conducting pre-exam review lectures for undergraduates.
- **Microsoft** Redmond, WA
Software Engineering Intern May 2016 - Aug 2016
 - As a software engineer on the Information Management and Machine Learning team, I worked under the supervision of a Chief Data Scientist for AzureML to develop a Continuous Time Markov Chain model for sales forecasting.

AWARDS

- **Jerome L Stein Memorial Award for Undergraduate Excellence (2018)**: Recognizes a student who shows outstanding potential in an interdisciplinary area that involves Applied Mathematics.
- **Governor General's Academic Medal (2014)**: National award to the student who graduates with the highest academic standing in their high school.

SELECTED PROJECTS

- **Self-Adaptive Visual Navigation**: A meta-reinforcement learning solution for visual navigation in which an agent learns a self-supervised objective that may be used to adapt to novel environments during inference – Currently in submission (M. Wortsman, K. Ehsani, A. Farhadi, M. Rastegari, R. Mottaghi).
- **Interacting Particles Systems and Approximations for Large Sparse Graphs**: Developed novel computational algorithms for approximating the local dynamics of interacting particle systems on sparse graphs – Senior thesis in Applied Mathematics working under the supervision of Professor Kavita Ramanan.
- **Data-driven Analysis of Society for Neuroscience (SfN) Abstracts**: Selected as the top Data Science group culminating project by Brown Computer Science Faculty panel.
- **Distributed File System**: Developed in Go for the final project of in Distributed Systems.

INTERESTS

- **Computer Science and Mathematics Education**
 - **Recitation Section for CS22**: As a TA for Discrete Math & Probability, I designed and led weekly recitation sections to make the class more engaging, interactive, and accessible to students with varied mathematical backgrounds. These recitations are now a staple in one of the largest CS classes at Brown.
 - **Math CoOp**: As a member of a group of graduate students and professors in the Applied Mathematics department I created, discussed, and presented mathematical material for students in elementary through high school.

PROGRAMMING SKILLS

- **Languages**: Python, Go, C++, Java, Matlab, R, C, Javascript **Technologies**: Pytorch, Tensorflow, AWS