ADARSH PADALIA

EXPERIENCE

Software Developer, 05/2020 to Current
Prasad Research Inc. - Richmond Hill, ON
- ➤ Sole developer of a transaction-minimizing algorithm used by a $10-million hedge fund to **reduce turnover by 50%**
- ➤ Developed Prasad's unit-test and regression-test framework, used to **validate published equity models**
- ➤ Researched **Markovitz portfolio optimization** for use in real-world US equity strategies

EDUCATION

Bachelor of Science, Computer Science
University of Toronto, Expected Graduation 05/2028

Math and Computing Contests
Achieved distinctions in:
- ➤ Canadian Computing Competition ('23, '24)
- ➤ Euclid math contest ('24)
- ➤ CSMC math contest ('22, '23)

PROJECTS

- ➤ Designed and trained a **ProGAN** from scratch using the **Google Cloud Computing Engine** to generate 234x200 images of athletes
  - ➤ Based on **Aila's paper** (ICLR 2018)
- ➤ Independently audited a **3rd-year University of Toronto machine learning course** (ECE324) in the summer of 2021
- ➤ Created an artificial map generator, including an **A* routing algorithm** to generate realistic road networks
- ➤ Designed a football league simulator driven by **data analysis** of decades of real-world statistics

CONTACT

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SKILLS

Programming Languages
- ➤ Python
- ➤ SQL
- ➤ Java
- ➤ Javascript, HTML, CSS

Libraries
- ➤ PyTorch
- ➤ Pandas
- ➤ NumPy
- ➤ SciPy

Miscellaneous
- ➤ Git
- ➤ Excel
- ➤ Website Design
- ➤ Databases
- ➤ Data Scraping (e.g. Beautiful Soup)
- ➤ Quantitative Financial Analysis

INTERESTS

Board Games, Investing, Reading, Sports