Eric Li

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Education

Carnegie Mellon University Pittsburgh, PA
B.S. in Mathematics, Additional Major in Computer Science: 3.57/4.00 2018–Current

- **Relevant Coursework:** Great Ideas in Theoretical Computer Science, Probability Theory, Computer Systems, Functional Programming, Discrete Mathematics, Data Structures, Machine Learning*, Discrete Time Finance*, Algorithms*, Real Analysis 1*

Experience

Carnegie Mellon University, Mathematical Science Department Pittsburgh, PA
Student Researcher Summer 2020

- Conducted research on additive combinatorics with Professor Kaave Hosseini
- Researched complexity and algorithms related to the sum-set problem
- Discovered a reduction from Labelled Clique Problem to the Clique Problem

Hiretual Mountain View, California
Software Development Intern Summer 2019

- Worked on improvements for the prediction model for an AI-driven recruitment software
- Analyzed results between different machine learning models and derived potential enhancements to each model
- Developed a keyword mapping that aggregates similar search words into one entity

SLAC National Laboratory Menlo Park, CA
Student Researcher Summer 2017

- Researched Alzheimer's Disease and machine learning under the guidance of SLAC scientists and Stanford professors
- Used Tensorflow to analyze MRI and PET scans of patients with Alzheimer's Disease from the ADNI database
- Published research paper in an international conference

Teaching

- **Teaching Assistant** at Carnegie Mellon University Fall 2020
  Multivariate Analysis (21-256)

Skills and Interests

- **Technical:** Python, C, Standard ML, Java, LaTeX, HTML
- **Languages:** English, Chinese
- **Interests:** Startups, Sports Analytics, Music, Gaming

Projects

- Malloc Lab (C, 2020)
  Implemented a dynamic memory allocator in C
- Python Game (Python)
  Used Panda3d and Kinect to make a motion game