

Eric Li

STUDENT AT CARNEGIE MELLON UNIVERSITY

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Summary

Mathematics junior at Carnegie Mellon University located in the San Francisco Bay Area pursuing quantitative analysis and software positions for Summer 2021. Comfortable working with Python, C, Java, HTML, Standard ML, MySQL, \LaTeX ; has had exposure to C++ and JavaScript.

Work Experience

Carnegie Mellon University, Mathematical Sciences Department

STUDENT RESEARCHER

Pittsburgh, PA

Jun. 2020 - Aug. 2020

- Conducted research on additive combinatorics with Professor Kaave Hosseini
- Researched complexity and algorithms related to the Sem-set problem

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SOFTWARE DEVELOPMENT INTERN

Mountain View, CA

Jun. 2019 - Aug. 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
- Improved the search function regarding the industries for profiles and companies

SLAC National Laboratory

STUDENT RESEARCHER

Menlo Park, CA

Jun. 2017 - Aug. 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

Education

Carnegie Mellon University

B.S. IN MATHEMATICS, ADDITIONAL MAJOR IN COMPUTER SCIENCE: 3.57/4.0

Pittsburgh, PA

Aug. 2018 - Exp. May 2022

- **Relevant Coursework:** Algebraic Structures, Great Ideas in Theoretical Computer Science, Introduction to Mathematical Finance, Introduction to Computer Systems, Discrete Mathematics, Probability Theory and Random Processes, Principles of Imperative Computation, Matrices and Linear Transformations, Game Theory
- **Activities:** Design For America, Asian Student Association, Sports Analytics Club

Palo Alto High School

HIGH SCHOOL

Palo Alto, CA

Aug. 2014 - May 2018

- **Activities:** Math Club, Statistics Club, Club Ice Hockey

Activities

The Campanile

SPORTS EDITOR

Palo Alto, CA

Jan. 2017 - May 2018

- Sports Editor for a national award-winning high school newspaper.
- Published 24-page broadsheet newspaper every three weeks
- Help staff brainstorm ideas and edit articles within the sports section and helped sell advertisements for the paper.

Awards

2019 **Dean's List**, Carnegie Mellon University

Pittsburgh, PA

2015-2018 **4x AIME Qualifier**, American Mathematics Competition

Palo Alto, CA

2018 **AP Scholar With Distinction**, Palo Alto High School

Palo Alto, CA