

Kevin Shu

Present Address

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Permanent Address

84 Cheesespring Road
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Education

B.S. in Mathematics, Computer Science, California Institute of Technology, Pasadena, CA, June 2018
QPA 3.9

Experience

Full-time Software Engineer, Google, Mountain View, CA August 2018-July 2019

- Full stack web development for a data labelling service, like Mechanical Turk
- Added a major feature for tracking work in the system
- Managed roll-outs and infrastructure
- Worked with C++, Java.

Advanced Algorithms Teaching Assistant, Caltech, Pasadena, CA Jan 2018-Mar 2018

- Graded homework and gave recitations in graduate level algorithms course.
- Covered multiplicative weights learning, streaming algorithms, spectral graph theory, semidefinite programming

Linear Algebra Teaching Assistant, Caltech, Pasadena, CA Sep 2017-Dec 2017

- Graded homework for the applied linear algebra course, including topics like linear algebra, including spectral graph theory, polynomial interpolation, and principal components analysis.
- Gave 1 hour of office hours per week.

Software Engineering Intern, Google, Mountain View, CA Aug 2018-Jul 2019

- Gathered data from online sources by parsing Reddit pages.
- Built a machine learning model to provide movie recommendations.
- Worked with C++, Python.

Research in Causality, Caltech, Pasadena, CA Aug 2018-Jul 2019

- Developed theory of causality and developed bounds on probability distributions.
- Applied geometric and linear programming in search of bounds.

Leadership Activities

Senior Class President, Caltech, Pasadena, CA 2018-2019

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Board of Control Secretary, Caltech 2017

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Academic Honors

2018 NSFGRP Fellowship Recipient

Computer Skills

Languages: COBOL, Pascal, C, APL, Basic
Software: SPIRES, dBase III, Datastar database systems, GPSS simulation, FCS-EPS financial planning, SAS statistical analysis, Lotus1-2-3, MPSX optimization modeling