

SUJAI HIEMATH

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EDUCATION

California Institute of Technology

September 2019 - June 2023

Bachelor's Degree, Major in Applied and Computational Mathematics

GPA: 4.1/4.3

Relevant Coursework: Causal Inference, Statistics, Probability, Real Analysis, Machine Learning, Data Structures & Algorithms, Multi-Variable Calculus, Differential Equations, Linear Algebra.

TECHNICAL SKILLS

Python, R, MATLAB, Java, Mathematica, LaTeX, PPT/Word.

WORK EXPERIENCE

Wierman Group, Caltech

October 2022 - Current

Research Intern

- I am performing data analysis on the 2022 Pasadena Unified School District school choice lottery; I aim to recommend changes to the current PUSD lottery process that help promote equity and boost public school enrollment rates.

Edge Technology Research, IpLearn

June 2021 - Nov 2021, June 2022 - Current

Research Intern

- I am reviewing technical documents and preparing weekly reports on Multi-Edge-Access, 5G and various other data transmission technologies.

ML Classification Research, Shum Lab Group

Sept 2021 - Nov 2021

Research Assistant

- I used R to build a ML tool for classification of website URLs into the industry of the corresponding company who owns the URL.

Data Science Research, Yahoo! and Caltech

May 2021 - Dec 2021

Research Intern

- I used R to visualize and process Yahoo! ad auction data to investigate the role of rebroadcasters in their online advertising markets.

Applied Math Classes, Caltech

November 2021 - June 2022

Teaching Assistant

- I graded homework for applied linear algebra (ACM 104) and general mathematical methods (ACM 95ab). I also held weekly office hours, answering questions about the class material and homework.

Joint Research Group, Caltech and UCLA

June 2020 - October 2020

Research Intern

- I extended and tested a variation on bounded confidence models for opinion dynamics on social media networks, that included heterogeneous media influence, in MATLAB.