

Edison Moy

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Education

School	University of California, Berkeley
Study	B. A. Computer Science, Expected May 2021, 3.46 GPA
Coursework	Data Structures, Machine Structures, Algorithms, Web Design, Probability Theory, Linear Algebra

Experience

Breakout Mentors – Coding Mentor **Apr 2019 - Present**

- Tutor middle to high school students in computer science fundamentals using Scratch and Python
- Facilitate growth of logic and problem-solving as students create personalized games

Top Tier Learning – Branch Manager **Jun 2016 - Jun 2017**

- Established tutoring branch in Chatham, NJ to service elite high school students
- Facilitated branch growth through client involvement while working directly with corporate

Splash – Customer Success Intern **Summer 2016**

- Worked with engineering team to implement various UI improvements
- QA tested new Guest Lists and Event Cards features while submitting bugs for developers
- Triaged 200 Growth Team product recommendations for online support community voting

Skills

Highly Proficient: Java, Python, HTML, CSS, AutoDesk

Prior Experience: JavaScript, C, R, RISC-V, SQL, Git

Frameworks & Libraries: jQuery, numpy, TensorFlow, matplotlib, Keras, networkx

Projects

Amazons AI **Java**

- Implemented Amazons, a chess-like game with functioning solo and two-player modes
- Created an AI using alpha-beta pruning and minimax heuristics to find possible wins within 10 moves

Maps API **Java**

- Designed an extensive graphing package that supports A* and Dijkstra traversals
- Implemented a GNU make client to comprehensively test graph API
- Created interactive map client that finds and displays shortest route given map and request

RISC-V Compiler **C, RISC-V**

- Built a RISC-V compiler complete with lexer, parser, decorator and code generator
- Supports comprehensive error catching in all stages

Leadership

Spectrum: Autism at Cal – VP of Finance **Sep 2018 - Present**

- Organized annual 5k fundraiser by closely working with corporate sponsors
- Comprehensively managed club finances and donations to local autism organizations

Camp Kesem Berkeley – Grant Writing Chair **Sep 2018 - Present**

- Researched and applied for grants to reach \$190,000 budget to send 250 campers, whose parents are affected by cancer, to camp for free

TOKIHA – Core Counselor **Jan 2018 - Aug 2018**

- Facilitated 300 hours of international, intercultural exchange with Japanese high school students at personal development summer camps in Japan
- Designed culturally sensitive workshops that inspired linguistic, personal and intellectual growth