

# Edison Moy

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## Education

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

## Experience

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### **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
- Triageed 200 Growth Team product recommendations for online support community voting

## Skills

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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

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### **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

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### **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