

EDUCATION:

University of California: Santa Barbara

Aug 2019 - Jun 2022

- Bachelor of Science: Computer Science | Minor: Statistics
 - GPA: 4.00
 - Organizations: UCSB Robotics - Software Team Lead, UCSB Data Science, UCSB IEEE
 - Relevant Courses: Data Structures & Algorithms, Object-Oriented Programming, Automata & Formal Languages, Discrete Mathematics, Multivariable Calculus, Linear Algebra, Probability & Statistics I, Differential Equations
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RELEVANT EXPERIENCE:

IT Software Intern | Procore Technologies

Mar 2020 - Present

- Updated the Pricing Calculator web application using CRUD principles to support new company pricing models.
- Devised Python scripts to make API calls to Zuora and Workday and automate the data upload and update processes.
- Harnessed Workato and embedded technologies to automate data transfer and integrate data sources.
- Received several internal commendations for making substantial progress in minimal time.

Game Design Lead | KidsWriteCode

Jan 2017 - May 2019

- Designed computer games using Python turtle graphics to teach 50+ children introductory Python programming.
 - Optimized code to reduce the tedious graphical tasks, allowing students to better focus on learning the fundamentals.
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SELECTED PROJECTS:

Rubik's Cube Solver

Jan 2020 - present

- Utilized Google Cloud's Vision API to extract dominant colors of image partitions (of a Rubik's Cube.)
- Deployed the K-Means Clustering algorithm to recognize Rubik's Cube face colors with upwards of a 95% accuracy rate.

Stock Value Calculator

Nov 2019 - present

- Developed a Javascript web scraper using Python Selenium to gather and clean financial statistics.
- Programmed a financial calculator using Pandas to derive a stock's intrinsic value using company finances.

alexmeicooking.com

Jun 2017 - present

- Engineered a website using HTML and CSS featuring personal cooking recipes, gaining 900 users from over 40 countries.
 - Crafted 100 cooking recipes to promote healthier food choices and simple, yet creative home cooking.
 - Implemented the site to support both desktop and mobile users, ensuring readability for those reading in the kitchen.
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LEADERSHIP:

Undergraduate Learning Assistant | UC Santa Barbara

Mar 2020 - Jun 2020

- Constructed weekly discussion questions and review material to foster students' critical thinking in computer science.
- Drove small group discussions over 10 weeks to enrich students with both course material and nifty programming tricks.

RoboDojo Volunteer | Palo Alto City Library

Apr 2018 - May 2019

- Created 3 NAO robot programs, including a *Choose Your Own Adventure* variation for workshop demonstrations.
 - Led over 70+ community members in developing robotics applications throughout two half-day workshops.
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SKILLS:

Programming Languages: Python, C++, Ruby, HTML, CSS, Javascript

Frameworks & Technologies: Git, Rails, Selenium, Pandas, jQuery, Anaconda, Jupyter, Workato, Tableau

Additional Course Topics: Statistical Inference, Experimental Design, Marginal Analysis, Economic Systems

Languages: English, Cantonese