

EDUCATION:

University of California, Santa Barbara

Aug 2019 - Jun 2022

- Bachelor of Science: Computer Science | Minor: Statistics
 - GPA: 4.00
 - Programs: College of Engineering Honors, Early Research Scholars, Undergraduate Learning Assistant
 - Courses: Machine Learning, Data Structures & Algorithms, Object-Oriented Design, Linear Algebra, Statistical Inference, Discrete Math, Computational Science, Multivariate Calculus, Automata & Formal Languages, Computer Architecture
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RELEVANT EXPERIENCE:

Undergraduate Researcher | UCSB Natural Language Processing Group

Oct 2020 - present

- Cleaned, formatted, and tokenized a dataset containing 200,000+ articles for text summarization tasks.
- Utilized a **BERT** model to improve upon existing summarization models such as **BERTSum** and **MatchSum**.

IT Software Intern | Procore Technologies

Mar 2020 - Mar 2021

- Maintained functionality of a Pricing Calculator **React on Rails** application for 500+ sales reps to use for negotiations and engineered solutions to support new company pricing models, discounts, and restrictions by geolocation.
 - Harnessed **Workato** for data integrations between business systems such as Amazon S3, Netsuite, and Salesforce.
 - Devised **Python** scripts to make API requests to Zuora and Workday to automate data upload and update processes.
 - Received significant internal praise for being a "highly knowledgeable," "patient," and "extraordinary intern that exceeds all expectations" while being "fantastic and awesome to work with," driving projects with ownership and optimism.
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SELECTED PROJECTS:

Rubik's Cube Solver

Jan 2020 - present

- Utilized Google Cloud's Vision API to extract dominant colors of a Rubik's Cube partitioned into individual tiles.
- Deployed the K-Means Clustering algorithm to recognize Rubik's Cube face colors with a 95% accuracy rate.

Stock Value Calculator

Nov 2019 - present

- Developed a **Python Selenium**-based Javascript web scraper to gather and clean financial statistics for data analysis.
- Programmed a financial calculator utilizing the **Pandas** module to derive a stock's intrinsic value from company finances.

alexmeicooking.com

Jun 2017 - present

- Founded a cooking website featuring over 100+ handcrafted recipes to promote healthy and delicious home cooking.
 - Built and designed a modern mobile and desktop-friendly website using **React** and **Python Flask + Postgresql**.
 - Integrated with the Edamam API for automatic comprehensive nutrition fact analysis for all newly posted recipes.
 - Achieved 85,000+ monthly social media engagement and 900 active users from over 40 countries.
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LEADERSHIP:

iOS App Development Tech Fellow | CodePath

Oct 2020 - present

- Piloted CodePath at UC Santa Barbara, teaching 20+ students iOS design principles and app development with **Swift**.
- Cultivated students' capstone projects from design to implementation, employing **Agile** practices for clarity & efficiency.

Software Team Lead | UCSB Robotics

May 2020 - present

- Designed 6 applicatory projects and 12 technical workshops to empower members with hands-on robotics experience.
 - Led 20+ members in small team project development, exploring the intersections of Machine Learning and Robotics.
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SKILLS:

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

Technical Tools: Git, Jupyter, AWS, BERT, Pandas, Numpy, React, Rails, Flask, Selenium, Workato, Tableau, Postman