

EDUCATION:

- M.S. Computer Science** | University of California, Santa Barbara Expected: Jun 2023
- Emphasis in machine learning; continuing natural language processing research under Professor William Wang.
- B.S. Computer Science** | University of California, Santa Barbara Expected: Jun 2022
- GPA: 4.00 | Distinction in the Major
 - Programs: College of Engineering Honors, Early Research Scholars, Undergraduate Learning Assistant, Senior Capstone
 - Courses: Data Structures, Algorithms, Object-Oriented Programming, Machine Learning, Artificial Intelligence, Compilers, Formal Languages, Linear Algebra, Discrete Math, Multivariate Calculus, Probability & Statistics, Computer Architecture
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RELEVANT EXPERIENCE:

- UC Santa Barbara Natural Language Processing Group** | NLP Researcher Oct 2020 - present
- First-authored a research paper on our improvements on long text summarization, currently in review for publication.
 - Proposed a lightweight weakly-supervised learning objective to predict sentence importance based on its **ROUGE** score.
 - Utilize **BERT**-based model to pipeline and improve existing summarization models like **BERTSum**, **BART**, and **PEGASUS**.
 - Clean, format, and tokenize 4+ datasets containing 200,000+ articles each for text summarization tasks.
- Amazon, AWS** | Software Development Engineer Intern Jun 2021 - Sept 2021
- Scope, design, and implement an internal billing auditing API to provide customers more insightful data usage metrics.
 - Leverage **AWS microservices** (i.e., DynamoDB, Lambda, API Gateway) to improve existing **Java**-based billing service.
- Procore Technologies** | IT Software Intern Mar 2020 - Mar 2021
- Maintained Pricing Calculator **React on Rails** application functionality 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.
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SELECTED PROJECTS:

- Alexmeicooking** | alexmeicooking.com Jun 2017 - present
- Founded a modern **React/Flask/Postgres** cooking site featuring over 100+ recipes to promote healthy home cooking.
 - 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.
- Stock Value Calculator** | github.com/alexmeigz/StockValueCalculator Nov 2019 - Feb 2020
- Developed **Python Selenium**-based Javascript web scraper to gather and clean financial statistics for data analysis.
 - Programmed financial calculator utilizing the **Pandas** module to derive stocks' intrinsic value from company finances.
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LEADERSHIP EXPERIENCE:

- CodePath** | iOS Tech Fellow Oct 2020 - June 2021
- Piloted CodePath at UC Santa Barbara, teaching 16 students iOS design principles and app development with **Swift**.
 - Cultivated students' capstone projects from design to implementation, employing **Agile** practices for clarity & efficiency.
- UCSB Robotics** | Software Team Lead May 2020 - June 2021
- Designed 12+ technical workshops to empower members of all majors with foundational software concepts for success.
 - Led 20+ members in small team project development, exploring the intersections of Machine Learning and Robotics.
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SKILLS:

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

Toolbox: Git, Jupyter, AWS, Pytorch, Tensorflow, Pandas, Matplotlib, Tableau, React, Rails, Flask, Selenium, Workato, Postman