

Dylan Maung

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Education

University of California Santa Cruz	Sep 2022 - Dec 2024
<i>Bachelor of Science in Computer Engineering, GPA: 3.50</i>	<i>Santa Cruz, California</i>
<ul style="list-style-type: none">Relevant Coursework: Data Structures and Algorithms, Software Design Accelerated, Intro to Software Engineering, Applied ML: Deep Learning, Full Stack Web Development, Principles of Computer System Design, Parallel Programming, Embedded System Design, Computer Architecture, Probability & Statistics for Engineers	
City College of San Francisco	Aug 2020 - Jul 2022

San Francisco, California

Skills

Languages: Python, C, C++, JavaScript, Java, Assembly, Verilog
Frameworks & Tools: Bash, Docker, Express.js, Git, Jupyter Notebook, Material-UI, MATLAB, MongoDB, Node.js, NumPy, Pandas, PostgreSQL, PyTorch, React.js, scikit-learn, Tailwind CSS
Embedded Systems: ESP32-C3, Raspberry Pi, Soldering, Unix/Linux Systems
Spoken Languages: English, Burmese

Experience

SMount HealthTech	Nov 2024 – Present
<i>Software Engineer Intern</i>	<i>San Jose, California</i>
<ul style="list-style-type: none">Developed front end for core administrative functionality of a patient-centric healthcare management mobile app, improving operational efficiency for healthcare administrators overseeing patient careDesigned and integrated an intuitive user interface, enhancing workflow efficiency for healthcare administratorsIntegrating front end with backend services to support a responsive and scalable user experience	
Rimini Street	Sep 2024 – Dec 2024
<i>Data Scientist Intern</i>	<i>Santa Cruz, California</i>
<ul style="list-style-type: none">Quarter-long industry project with Rimini Street through the UCSC Senior Capstone CourseEnhanced predictive performance of existing sales opportunity model (Columbo 1.0) by optimizing text vectorization and engineering additional featuresImproved predictive precision by 12% and recall by 10% for Won outcomes, while significantly boosting precision by 48% and recall by 52% for Loss outcomes, resulting in an overall accuracy improvement of 18%.	
University of California Santa Cruz	Jan 2024 – Mar 2024
<i>Reader</i>	<i>Santa Cruz, California</i>
<ul style="list-style-type: none">Graded and provided feedback on labs, pre-labs, and homework assignments for the CSE 100 Logic Design CourseCommunicated with peer graders and professor to distribute work and set deadlines	
Elite Educational Institute	Dec 2019 – Sep 2021
<i>Administrative Assistant</i>	<i>San Francisco, California</i>
<ul style="list-style-type: none">Prepared test prep materials and curriculum for both student and instructorsOrganized and coordinated office calendar and schedule with instructors, director, and other office associatesStepped up to independently manage office on management's behalf when needed, including handling billing and proctoring tests	

Projects

Bingeflix Express.js, HTML, JavaScript, MongoDB, Node.js, React, Tailwind CSS
<ul style="list-style-type: none">Developed responsive front-end UI, including landing page, navigation bar, and other core componentsImplemented backend logic for API interactions and data transfer; utilized database to store user watch lists and sports teams in BSON format
Wildfire Prediction Model Pandas, PyTorch, Python
<ul style="list-style-type: none">Developed and trained a Convolutional Neural Network (CNN) from scratch to predict wildfires using satellite imagery, achieving 95% accuracy and 92% recall on the test setFine-Tuned industry standard pre-trained models such as ResNet-50 and bench-marked their performance with our custom CNN model, which demonstrated similar performance