Ethan Outangoun

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EDUCATION

California Polytechnic State University · San Luis Obispo, CA

Bachelor of Science Degree in **Computer Science** · GPA: 3.71 · Expected March 2024

Relevant Coursework: *Software Engineering, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming and Design, Intro to Database Systems, Intro to Data Science*

WORK EXPERIENCE

Information Technology Intern June 2023 - Present

Proofpoint Inc. | Sunnyvale, CA

Machine Learning Research Assistant March 2023 - June 2023

California Polytechnic State University | San Luis Obispo, CA

- Developed an algorithm that combined the Namsor and Clarifai APIs resulting in an 87% accuracy rate when predicting ethnicities, validated against a rigorous testing set.
- Web scraped data on 500+ Olympic athletes for a comprehensive and diverse dataset.
- Used Python's sklearn library for data analysis to find ways to improve algorithm.

Software Engineer Intern *June 2022 - August 2022*

TGD Engineering | Union City, CA

- Automated Multi Step Washing System that uses 12 different devices to clean 500+ barrels daily, using RS-Logix 500 Software.
- Designed an operator interface panel that grants users the flexibility to control the automation sequence in either manual mode or automatic mode.

PROJECTS

AI-Website Summarizer | React.js, Tailwind CSS *April 2023*

- Developed a website that uses GPT-4 to summarize any website given a valid link.
- Caches user's link search history in local storage for displaying recent results conveniently.
- Employed Tailwind CSS for rapid UI development and customization.

GroupCart | React.js, NextUI, MongoDB *September 2022*

- Collaborated with a team of 4 to deploy a website using Azure where users can engage in group-based shopping experiences.
- Implemented frontend that allows users to create/join groups, add/remove items, and view user profiles using React.js and NextUI.
- Integrated MongoDB as the backend database to efficiently store and manage data.

SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML/CSS, RISC-V

Frameworks/Technologies: React.js, Node.js, MySQL, Flask, TensorFlow, Git, Azure, Agile

Other Interests: Swimming, Guitar, 3D Modeling, Video Games, Powerlifting, VFX/Movies