

# 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 | 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

**IT Development 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,

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

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