

# Ethan Outangoun

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## EDUCATION

**California Polytechnic State University** | San Luis Obispo, CA

Bachelor of Science Degree in **Computer Science** | GPA: 3.73 | 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*

## LANGUAGES & SKILLS

Python, Java, C++, JavaScript, HTML/CSS, React.js, Node.js, MySQL, Flask, TensorFlow, Git, Azure, Agile

## 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 **sklearn and Tensorflow Python** 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
- Conducted **extensive testing and debugging** of the system using a MicroLogix PLC
- Designed an operator interface panel which allows control of the automation sequence in either manual mode or automatic mode

## PROJECTS

### **AI-Website Summarizer**

April 2023

- Developed a website that uses GPT to **summarize any website** given a valid link
- Created a system for making RTK query API requests that trigger on specific conditions
- Employed **Tailwind CSS** for rapid UI development and customization

### **GroupCart**

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 profile using **React.js and NextUI**
- Integrated **MongoDB** as the backend database to efficiently store and manage data