

Christian Cuellar

ccuellar418@gmail.com - (831) 241-2624
ccuellar418.github.io

SOFTWARE EXPERIENCE

Product Data Scraping Tool Jan 2022 - Aug 2023

- Scrapes UPC, price, and other metadata in every in-stock variation
- Reduces an 8 hour task to 20 minutes
- Appends data to a spreadsheet and sends it to the client via email
- Scrapes across multiple websites such as Nike, Kohls, and Zoro by reading the source code to obtain info necessary within the URL
- Increased throughput by 2300% in product searching
- Built using Python, BeautifulSoup, Pywinauto, Openpyxl, and Selenium

Composite Image Script June 2023

- Wrote a script to automate the creation of a composite image following a specified format from a set of 2-4 individual images
- Script has been used to create 100+ composite images, saving the company thousands of dollars on design spend while creating a scale-able, automated process for creating new composite images

Cheek Biting Detector June 2024 - September 2024

- A constant-running script in the background of normal computer work, constantly mapping the face using Face Mesh in the OpenCV library
- Uses lip landmarks and runs calculations on other anchor points of the face to alert for any sideways lip movement, paired with chewing, biting down, and other various movements that correlate

EDUCATION

California Polytechnic State University

Computer Science (Fall 2023 - Spring 2027)

Space Systems Club - Air Breaks team using ROS2 ; Data Structures; Systems Programming; OOP & Design

ABOUT ME

I thrive on finding efficient solutions, focusing on working smarter rather than harder, especially in the e-commerce space, where I build tools to automate mundane tasks and streamline processes. I have a strong work ethic, incredible communication, and an entrepreneurial mindset. I have been building upon my new interests in Computer Vision and Augmented Reality. Outside of academics, I enjoy surfing, swimming, and water polo.

SKILLS

OpenCV - Face Mesh

Python

BeautifulSoup

Git

Java

Assembly

C

GCP - Sheets

Relevant Courses

Systems Programming (C)

Data Structures (Python)

OOP & Design (Java)

Discrete Structures

ACCOMPLISHMENTS

2x Top 3 at County Math Competition (1st and 3rd)

Alcatraz Swim (2022)

3x HS swim records

Nationally Ranked 3rd Fastest Swim for Age