

Ethan (Shayan) Sarnevesht

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EDUCATION

University of California, Los Angeles

Expected Graduation: June 2023

B.S., Computer Science

- GPA: 4.0

Relevant Coursework (2020 - Present)

UCLA: Data Structures and Algorithms; Multivariable Calculus; Introduction to Engineering Disciplines; Object-Oriented C++ Programming

Saratoga High School

- GPA: 3.95 UW / 4.32 W | National Merit Finalist | High Honors

Relevant Coursework (2019 - 2020):

De Anza College: Intermediate Methodologies in C++; Introduction to Unix/Linux; Advanced Unix/Linux

SKILLS

Back-end languages: Java | Python | C | C++

Web-development: HTML | CSS | Javascript | Django | React.js

Technologies: Git | Linux | Bash | SQL (PostgreSQL)

EXPERIENCE

Computational Imaging Researcher

January 2021 - Present

UCLA Visual Machines Group | Los Angeles, CA

- Working on computational imaging methods to extract estimates of vital signs on pictures of patients using color extraction and other computer vision algorithms

Software Developer

October 2020 - Present

The Daily Bruin | Los Angeles, CA

- Working on social media manager to automate social media posting using Facebook API.
- Helped create “Kerckhoff”: a web app for news editors to manage static websites.
- **Software: Django, Django Rest Framework, React, PSQL**

EXPERIENCE

OuTrack - <https://devpost.com/software/outrack>

- Won “Best Use of Amazon Alexa” at CruzHacks, UC Santa Cruz annual hackathon
- Geofencing parental safety app to track child’s location; Notifications via email whenever geofence is broken, location accessible via Amazon Alexa
- **Software: Node, Express, Amazon Alexa, GoogleMaps API, Notivize API, Radar.io Geofencing API**

Ultimate Meal Planner - <https://github.com/shayans66/Ultimate-meal-planner-1.0>

- Meal Tracking app that keeps track of their calorie intake, utilizes Google’s Cloud Vision API to recognize a food item and calorie level from camera.
- **Software: Python, Javascript, HTML, React Native, Cloud Vision API**

EcoZon - <https://devpost.com/software/ecozon>

- Google Chrome extension that gives accurate rating on how environmentally friendly an Amazon product is; functional for thousands of cosmetic products on Amazon
- Uses API to receive data on ecological friendliness and shows it for Amazon product
- **Software: Javascript, HTML, CSS**