

HELEN TON

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EDUCATION

CALIFORNIA STATE UNIVERSITY OF LONG BEACH

Major in Computer Science

Expected graduation on May 2027

Cumulative GPA: 3.94; President's Honor List; University Honors Program

Relevant Courseworks:

- Introduction to Programming & Problem Solving
- Data Structures
- Algorithms
- Object-Oriented Application Development
- Database Fundamentals
- Principle Programming Languages
- Operating Systems
- System Programming
- Concepts of Computer Science Theory
- Discrete Structures Computing Applications
- Probability & Statistics Computing
- Digital Logic & Assembly Programming
- Computer Architecture & Organization
- Computers, Ethics & Society
- Introduction to Computer Security & Privacy
- Introduction to Software Engineering

Long Beach, CA

Aug 2023 – Present

RICHARD GAHR HIGH SCHOOL

Cumulative GPA: 4.0; Valedictorian

Principal's Honor Roll 2019-2023

Artesia, CA

Aug 2019 – June 2023

TECHNICAL SKILLS

Python, Flask, C++, Linux/Unix, Javascript, Typescript, CSS, HTML, Docker, GitHub, Microsoft office

EXPERIENCE

OPEN ENERGY DASHBOARD

CTI-CodeDay SWE Micro-Internship

Remote

Jan 2025 – Feb 2025

- Contributed to Open Energy Dashboard (OED), an open-source platform that provides organizations with a free user-friendly way to visualize and analyze energy data from smart meters or CSV uploads.
- Implemented C10's test code in **Javascript** to test the system's ability to correctly handle input data, apply appropriate units and conversions, and return accurate expected values for meter readings. ([pull request](#))
- Frameworks/Technologies Used: Chai, Mocha, **Docker**, Javascript
- Collaborated with two team members under the mentorship of Sunandan Barman, a software developer working at Meta, over the span of a four-week micro-internship.

CSULB WOMEN IN COMPUTING (WIC) SCHOOL OUTREACH

MESA Volunteer

South Gate, CA

Sep 2023 – Nov 2024

- Assisted in teaching a classroom of 27 students how to program Lego SPIKE Prime robots using Scratch at Hollydale Elementary and Middle School.
- Troubleshooted program errors and unresponsive systems in student projects.
- Organized a robotics competition and was part of a judging panel that scored each student's programmed-to-dance robot.

PROJECTS

MARINAHACKS 4.0 - LITTLE LATTE LOVE

Oct 2024

- Built a web application that recommends the best cafes near CSULB, allowing users to enter a cafe name and receive clear driving directions and a map.
- Developed using **Flask**, Google Maps **API**, **HTML**, **CSS**, **JSON**, and **JavaScript**.
- Tested and debugged Google Maps API responses with **Postman**.
- Presented the web app to a panel of judges and posted a demo on [DevPost](#).

INTERESTS

Web Application Development, IOS Development, AI/Machine Learning