

David Glover

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SUMMARY

Computer Science student at UC Santa Cruz (Class of 2027) with leadership and software development experience in robotics, full-stack apps, and hackathons. Lead programmer for the UCSC Rover Team (URC 2025), with strong skills in Python, C++, and mentoring peers.

WORK EXPERIENCE

Leading Programmer, UCSC Rover Team

Sept 2024 - present

- Spearheading the software division of a 40+ member interdisciplinary team competing in the 2025 University Rover Challenge (URC).
- Designing and implementing rover software in Python and C++, including motor control systems, sensor fusion, and OpenCV-based computer vision pipelines.
- Established team-wide Git/GitHub workflows; trained incoming freshmen on version control, Python fundamentals, and secure collaboration (SSH keys).
- Collaborated with mechanical and electrical subteams to ensure seamless integration between software and rover hardware, emphasizing scalability and maintainability.

Supervisor, The Buttery Bakery

July 2024 – Present

- Promoted to supervisor within six months, overseeing operations in a fast-paced, high-volume café environment.
- Manage and train a team of 10+ employees, ensuring smooth daily operations, excellent customer service, and adherence to safety standards.
- Recognized by management for leadership, conflict resolution, and ability to maintain team morale under pressure.

PROJECTS

SlugHub (PyQt6 App)

[GitHub Repo](#)

All-in-one student toolkit for UCSC built with PyQt6 and MongoDB. Features include: *class schedule planner with bus timing suggestions*, *UCSC events calendar with one-click add*, and *anonymous per-class forums*. Implemented secure login/registration with bcrypt, optimized for usability and persistence.

SaveOurSlug (Web App)

[GitHub Repo](#)

Hackathon project developed to encourage environmental awareness at UCSC. Built with Flask and JavaScript, the app gamified sustainability actions, allowing students to log eco-friendly behaviors and compete on leaderboards. Recognized for creativity and impact in promoting campus sustainability.

Stock Dashboard

[GitHub Repo](#)

Interactive dashboard for real-time stock tracking and visualization. Uses Python, Pandas, and Matplotlib for data handling, with APIs for live price feeds. Includes analytics features to compare stock performance, visualize trends, and generate insights for users.

Pokémon Chrome Extension

[GitHub Repo](#)

Browser extension that enhances Pokémon card listings on eBay with real-time metadata and market prices. Integrates PokéAPI for card data and scrapes PriceCharting.com for live valuations, displaying overlays directly in the browser for collectors and vendors.

EDUCATION

2023 – 2027 **University of California, Santa Cruz** — B.S. Computer Science, GPA: 3.8/4

(Expected)

SKILLS

Programming Languages	Python, C, C++, Java, JavaScript, SQL
Frameworks/Tools	PyQt6, Tkinter, Flask, React, Node.js, OpenCV
Databases	MongoDB, SQLite
Developer Tools	Git/GitHub, Docker, SSH, Linux, Web Scraping
Soft Skills	Leadership, Mentoring, Team Collaboration, Customer Service, Conflict Resolution