

# Logan Calder

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<https://lcalder.dev>

Self-taught student with industry experience pursuing Computer Science Bachelor's Degree at Santa Clara University. Seeking opportunities in Software Development and looking for a job that will provide experience in teamwork, a fast-paced environment, and human-computer interaction.

## EXPERIENCE

### Hewlett Packard Enterprise — *Part-Time Software Engineer*

JUNE 2023 - OCT 2023

- Fixed backend data corruption & memory over usage conserving up to 80% more memory by tenant configurations
- Created backend development website used by 100+ developers, QAs, Sales Engineers, and Customer Service

### Treehacks 2023, Stanford — *Smart Shopper (Hackathon)*

FEB 17-19, 2023

- Collaborated with team of 4 to create Smart AI customer service bot
- Created user-friendly UI in which clients engage with AI

### Private Tutor — *Python, Java, Spanish, Pre-Algebra, Algebra*

AUG 2021 - PRESENT

- Instructed middle & high school students with lessons, homework, and test preparation

## PROJECTS & RESEARCH

### High-Performance Computing Tuning: *Research w/ Dr. Y. Cho*

OCT 2023 - PRESENT

- Conducted research to optimize parameters for High-Performance Computing Algorithms
- Analyzed performance of various method configurations to compare runtimes across several processors and allocated memory

### Sayuri Role Playing Game (RPG): *Discord Bot*

- Independently developed a playable RPG within Discord's chat client
- Interacted with databases & APIs to store unique user data & handle client requests to game
- Created over 100 unique enemy encounters, loot, and fights for users to interact with & explore

## LEADERSHIP

### SCU Engineering Mentor

2023 - PRESENT

- Provided advice and counseling for succeeding in STEM and managing workloads

## SKILLS

**Python, C, C++, Golang, C#, Java, Javascript, HTML & CSS, Bash**

Git, Docker, Kubernetes, Redis, AWS Amplify, MySQL

## EDUCATION

**Santa Clara University**  
*B.S. — Computer Science & Engineering*

2022 - 2025

- **Dean's Scholarship Recipient** (*Financial*)
- **COEN12** - *Abst. Data Types & Struc.*
- **COEN79** - *Object-Oriented Programming and Advanced Data Structures*

**Valley Christian High School**  
*High School Diploma*

2018 - 2022

- AP Computer Science A, AP Computer Science P, + 7 APs
- **Spanish Honors Society Member**
- **Honor Roll Recipient**
- **AP Scholar with Honor Recipient**

## LANGUAGES

**English, Fluent**

**Spanish, Professional**

**Tagalog, Elementary**

**Japanese, Elementary**

## INTERESTS

- Medicine, Linguistics, Esports, Photography, Game Development