

ALAN SHEU

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Summary: I'm a student looking for a software development internship. I'm the Operations Director of my high school robotics team. In my free time, I've worked on projects on my website including a custom tower-defense game creation tool.

Experience:

Operations Director / Finance Lead (2018 - Present)

Los Gatos High School Robotics

- Managed various teams including communications, fundraising, and finance
- Worked with the fundraising and budgeting of an annual \$100,000 budget
- Designed programming curriculum, autonomous routines, scouting website, robot dashboard, and control systems.
- Experience in robot design with CAD and manufacture with the lathe, mill, and CNC

Volunteer Work

- Founded the Robotics Club at R. J. Fisher Middle School (2019-Present)
- Worked as a Teaching Assistant for Mandarin Language Culture Center (2018-2019)
- Tutored for the Los Gatos High School Peer Tutor Group and Cats HW Help (2020-Present)

Projects:

Check out my projects on my website at alansheu2004.github.io.

- CustomTD: Create and play custom tower-defense games
- PIDeconstructed: Explore PID control systems with an interactive guide and simulations
 - PID Tuner: Graph and Adjust PID values to assist in tuning
- SketchGrapher: Turn any mathematical graph into a single equation
- Anomia: Test your reflexes and memory recall on this online card game

Education:

Los Gatos High School

Class of 2022; GPA: 4.41

Notable Coursework: AP Computer Science A (5), AP Calculus BC, AP Biology, AP Physics

Skills:

- Skilled with Java, Python, Git, Linux/UNIX
- Web development with HTML, CSS, Javascript, JQuery, AJAX
- Experienced in back-end support with PHP, Flask, & SQL
- Microsoft Word, Excel, and Powerpoint
- Graphic Design Adobe Photoshop & Illustrator
- Fluent in Mandarin and English; Proficient in French

Honors/Awards:

- Los Gatos High School Certificate of Excellence French 2, French 3
- Silicon Valley Math Field Day Runner-up