

# ALAN SHEU

**Website:** [alansheu2004.github.io](https://alansheu2004.github.io)

**Github:** [github.com/alansheu2004](https://github.com/alansheu2004)

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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

- Worked as a Teaching Assistant for Mandarin Language Culture Center (2018-2019)
- Tutored for the Los Gatos High School Peer Tutor Group (2020-Present)

## Projects:

Check out my projects on my website at [alansheu2004.github.io](https://alansheu2004.github.io).

- CustomTD: Tool for creating and playing custom tower defense games
- PIDeconstructed: Interactive guide to PID control systems with simulations
  - PID Tuner: Program to graph and assist in tuning PID systems
- SketchGrapher: any sketch or graph into a single equation
- Anomia: An online version of the card game Anomia

## 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
- 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