

# 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 an 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 site to create a mathematical equation from any graph.

## Projects:

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

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

## Experience:

### Operations Director / Finance Lead (2018 - Present)

*Los Gatos High School Robotics*

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

### 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)

## 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:

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

## Honors/Awards:

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