

Sophie Guan

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EDUCATION

University of California, Santa Barbara

B.S. Computer Engineering, Regents Scholar, Engineering Honors Program

- Editor and webmaster for *Anything Goes*, an independent community podcast on UCSB life and culture

De Anza College, West Valley College

Dual Enrollment, focused on Computer Science

Lynbrook High School

High School Diploma, 3.92/4.00

Anticipated 2024

Santa Barbara, CA

2019 – 2021

Cupertino, CA

2017 – 2021

San Jose, CA

SKILLS & COURSEWORK

- **Language/Framework:** Java, Python, C++, React, Bootstrap, JavaScript, Spring Boot, Flask
- **Coursework:** Data Structures and Algorithms, Object Oriented Analysis and Design, Intermediate C++, Discrete Mathematics, Differential Equation, Linear Algebra, Algorithms I & II (Princeton open course)

WORK EXPERIENCE

Math Tutor

Brighter Future Learning Center

Aug 2019 – April 2020

San Jose, CA

- Afterschool learning center for students from middle school to high school grade levels.
- Taught students mathematic skills ranging from pre-Algebra to Calculus
- Administered lessons one-on-one as well as in groups of three to twenty

PROJECTS

Passport Photo Formatter

Java, Spring Boot, JavaScript, React, Bootstrap

June 2021 – Present

[GitHub](#)

- Format user-input image into standard U.S. passport photo dpi, size, and 4" x 6" layout for printing
- Built interactive front-end upload page with JavaScript, React, and Bootstrap
- Implemented relevant Java graphics libraries and API to modify various types, sizes, and dpi
- Utilized OpenCV facial recognition to auto focus and resize portrait image to face

Fanfiction.net to Archiveofourown transfer (FTO3)

Python, Flask, JavaScript, React, Bootstrap

July 2021 – August 2021

[GitHub](#) | [Heroku](#)

- Transfer any works from fanfiction.net to Archiveofourown.com using web scraping
- Solution for ffn's tedious file downloading/transferring and AO3's lack of transferring options for ffn
- Extracting, converting, and transferring relevant metadata for tags and warnings

Vertigo Website

HTML/CSS, PHP, JavaScript, WordPress

June 2019 – Aug 2020

- Designed first official website for school's literary magazine
- Improved uploading and formatting efficiency by creating templates for common page types
- Authored website documentation guide on site functions and modifications for future webmasters

INTERESTS

Writing; biking; piano; orchestral pop; sliding puzzles; graphic design; paper cranes; noodle soup;