

Sophie Guan

Santa Barbara, CA · sophie.qin.guan@gmail.com · [GitHub](#) · [LinkedIn](#)

EDUCATION

University of California, Santa Barbara

Anticipated May 2023

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

Santa Barbara, CA

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

De Anza College, West Valley College

2019 – 2021

Dual Enrollment, focused on Computer Science

Cupertino, CA

Lynbrook High School

2017 – 2021

High School Diploma, 3.92/4.00

San Jose, CA

SKILLS & COURSEWORK

- **Language:** Java, Python, C++, Bootstrap, React, JavaScript
- **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

Aug 2019 – April 2020

Brighter Future Learning Center

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

June 2021 – Present

Java, Spring Boot, JavaScript, React, Bootstrap

[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
- Future version includes implementing facial recognition to auto focus portrait image to face

Fanfiction.net to Archiveofourown transfer

July 2021

Python

[GitHub](#)

- Transfer any works from fanfiction.net to Archiveofourown.com using web scraping
- Solution for ffnet's tedious file downloading/transferring and AO3's lack of transferring options for ffnet
- Extracted, converted, and transferred metadata and content using beautiful soup and mechanical soup

Vertigo Website

June 2019 – Aug 2020

HTML/CSS, PHP, JavaScript, WordPress

- 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;