Sophie Guan

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EDUCATION

University of California Santa Barbara, Santa Barbara, CA
B.S. Computer Engineering, 3.92/4.00, expected 06/2024
Honors: Regents Scholar, Engineering Honors Program
Activities: SBHacks (Development Team), UCSB Archery Division (Chair/Secretary)

De Anza College, West Valley College, Cupertino CA
Dual Enrollment, 2019 – 2021

SKILLS

Language:	Java, Python, C++, JavaScript, HTML/XML, CSS
	C, Verilog, Assembly (MIPS)
Tools:	React, Bootstrap, Spring, Flask, Git
	MATLAB, ModelSim, SPICE, Altera Quartus II, Keil

COURSEWORK

Data Structures and Algorithms, Machine Learning, Object Oriented Analysis and Design, Digital Design Principle, Signals Analysis, Analog and Digital Circuits & Systems, Discrete Mathematics, Probability and Statistics, Differential Equation, Linear Algebra

EXPERIENCE

Salesforce   Software Engineering Intern   June – Sept 2023
- Implemented new Action Center feature from scratch, which allows users to view consolidated, relevant app alerts on product home page
- Collaborated with team and designers to define feature functionalities, UI/UX, and implementations
- Assisted in codebase optimization and maintenance, resolving approximately 200 code issues on formatting inconsistency, code duplication and complexity reduction

Salesforce   Software Engineering Intern   June – Sept 2022
- Implemented alternative input components (with Aura/LWC & Java) in Mobile Publisher setup to facilitate data retrieval from Gov Cloud users
- Designed and executed effective front and backend test plans for the operational quality and reliability of new components

Brighter Future Learning Center   Math Tutor   Aug. 2019 – April 2020
- Taught students mathematic skills ranging from pre-Algebra to Calculus
- Administered lessons one-on-one and to classes

PROJECTS

Passport Photo Formatter
Java, Spring Boot, JavaScript, React.js, Bootstrap, OpenCV, Heroku
- Format user-input image into standard U.S. passport photo dpi, size, and 4" x 6" layout for printing
- Integrated OpenCV facial recognition API to crop images to face

Web-scrape File Transferer
Python, Flask, React.js, Bootstrap, Heroku, Selenium
- Built web-scraping solution to automatically transfer and republish text files between two online story archives

Call Number Location
JavaScript, HTML, CSS
- Chrome Extension to inject floor and shelf location of UCSB library catalog items into search page