Sophie Guan

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EDUCATION	**University of California Santa Barbara**, Santa Barbara, CA
	B.S. Computer Engineering, expected 06/2024
	Honors: Regents Scholar, Engineering Honors Program
	Organization: Society of Women Engineers (SWE), Archery Division (Chair)
	De Anza College, West Valley College, Cupertino CA
	Dual Enrollment, focused on Computer Science, 2019 – 2021

SKILLS

Language: Java, Python, C++, JavaScript, HTML/XML, CSS
Frameworks/libraries/tools: React, Bootstrap, Spring Boot, Flask, Git, Perforce

COURSEWORK

Data Structures and Algorithms, Object Oriented Analysis and Design, Discrete Mathematics, Probability and Statistics, Differential Equation, Logic Design, Linear Algebra

EXPERIENCE

Salesforce   Software Engineering Intern   June – Sept 2022
- Implemented manual inputs to allow users to enter data as text fields and checkboxes instead of dropdown menus which are unavailable to Government Cloud users
- Fixed malfunctioning poor usability bug in production by redesigning section visibility and autosaving function to be conditioned on specific permission status

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

Twitter User Insights
Java, React.js, Twitter API, IBM NLU API, Twitter4J
- Implemented IBM Natural Language Understanding API to analyze tweets
- Generated emotions and sentiment reports on main ideas and user-defined keywords
- Organized and restructured data for queries and readability

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
- Implemented 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 specific story archives

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

HOBBIES/INTERESTS   Writing; biking; Star Wars; kalimba; piano; graphic design; archery; noodle soup;