Jeremy Ha

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EDUCATION

University of California, Davis - College of Engineering   September 2022 - June 2026
Bachelor of Science in Computer Science   GPA: 4.0
Relevant Coursework: Programming and Problem Solving | Object Oriented Programming | Data Structures and Algorithms | Discrete Mathematics | Calculus | Linear Algebra

SKILLS

Python | C++ | SQL | Java | Object Oriented Programming | Data Structures and Algorithms | Software Development | Agile | Communication

PROJECTS

BIL
- Developed a personalized virtual assistant leveraging speech recognition technology to interpret and execute verbal commands.
- Programmed various functionalities such as music playback, real-time date and time retrieval, and web browser navigation.
- Achieved a 40% enhancement in productivity by eliminating the need for frequent interruptions.

Loyal Listener
- Developed a dynamic web application enabling users to input an artist's name and generate a comprehensive playlist of their entire discography.
- Harnessed the Spotify web API to fetch pertinent user and artist data, ensuring seamless integration with the platform.
- Utilized the Flask framework to create the user-friendly interface and functionality of the application.

Aggie Platter
- Leveraged Python scripting to efficiently extract and present nutrition information from UC Davis dining commons menus.
- Employed web scraping techniques with BeautifulSoup and Requests libraries to retrieve up-to-date dining menu data concerning 2,000+ food items.
- Implemented data structures such as hashmaps and arrays for meticulous data collection and analysis.

EXPERIENCE

Computer Science Tutor   October 2023 - Present
UC Davis
- Provided computer science tutoring, covering essential principles including data structures and algorithms, object oriented programming, and discrete mathematics
- Dedicated over 3 hours per week to mentoring students, achieving an average of 20% improvement in programming assignment grades

Dental Equipment Manager   March 2020 - September 2023
Star Dental Group | Pleasanton, CA
- Gathered and analyzed data concerning 100+ dental tools, leading to the development of a streamlined and optimized inventory management system.
- Aided dental professionals between procedures and prepared dental equipment for patient appointments.
- Upheld the highest standards of hygiene and infection control by sterilizing and maintaining a diverse array of dental tools daily.

ACHIEVEMENTS / CERTIFICATIONS

- IBM DevOps and Software Engineering Certificate (2023)
- UC Davis Dean's Honor List (2022 - 2023)