Jeremy Ha

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EDUCATION

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

SKILLS

- Languages and Frameworks: Python, C, C++, SQL, Java, JavaScript, Flask
- Tools: Git, CI/CD, Docker, Linux

PROJECTS

BIL
- Developed a personalized virtual assistant to interpret and execute verbal commands.
- Programmed various functionalities such as music playback, 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 that generates a comprehensive playlist of an artist's discography.
- Harnessed the Spotify web API to fetch pertinent user and artist data.
- Utilized the Flask framework to create the user-friendly interface and functionality of the application.

Aggie Platter
- Led a Hackathon team to create a Python program that extracts and presents nutrition information from UC Davis dining commons menus.
- Leveraged the BeautifulSoup and Requests libraries to web scrape 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.
- Sterilized and maintained a diverse array of dental tools daily.

ACHIEVEMENTS / CERTIFICATIONS

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