# Jeremy Ha

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## EDUCATION

**University of California, Davis - College of Engineering**

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

## EXPERIENCE

**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 diligently sterilizing and maintaining a diverse array of dental tools daily.

## 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.

## ACHIEVEMENTS / CERTIFICATIONS

- IBM DevOps and Software Engineering Certificate (2023)
- UC Davis Dean's Honor List (2022 - 2023)
- CPR and First Aid Certified (2022)
- President's Volunteer Service Award Gold Medal (2021)

## SKILLS

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