

Gwyneth Huynh

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EDUCATION

Georgia Institute of Technology (4.00 GPA)

Master of Science (January 2023 – Present) – Computer Science

University of California, Los Angeles (Summa Cum Laude – 3.99 GPA)

Bachelor of Science (September 2017 – December 2020) – Human Biology and Society

EXPERIENCE

Bioinformatics Research Assistant (November 2021– Present)

California NanoSystems Institute, Los Angeles, CA

- Independently acquired proficiency in QIIME2 through online resources, enabling the execution of beta diversity, alpha diversity, differential abundance, and hierarchical clustering analyses using R.
- Developed Bash and Python scripts to automate pipeline commands and data entry, expediting data processing from hours to mere seconds.
- Processed millions of DNA sequence reads to analyze the composition of vaginal microbiomes.

Immigration Services Intern (July 2018 – September 2018; January 2021 – August 2021)

World Relief Southern California, Garden Grove, CA

- Led STEM classes, activities, and counseling sessions for refugee youth group.
- Maintained and updated electronic legal record of 300+ clients (DACA, Green Card, Citizenship, U-visa).

PROJECTS

Capsule

- Developed a comprehensive end-to-end web application using React and Node Express.
- Integrated Amazon S3 cloud storage and MySQL database to manage and retrieve user-uploaded images.
- Designed and implemented a collaborative filtering recommendation system, enhancing user experience through personalized outfit combinations.

Simple Distributed File System

- Implemented remote procedure calls using gRPC and Protobuf, enabling efficient storage, listing, and retrieval of files on a remote server.
- Integrated synchronization and caching mechanisms, ensuring file consistency across multiple clients and threads.

Splitit

- Developed a web application using React and Django for bill splitting within groups.
- Integrated Google Cloud Vision API to parse receipt images into an itemized total.

SKILLS

- Python, Java, C, C++, JavaScript, QIIME2, Bash, React, Node, Express, SQL, R, Django, MongoDB

ACTIVITIES/AWARDS

- UCLA Wushu A team (September 2017 – December 2020) and first place at Wushu Collegiate team event (April 2019)