YU-JIE JESSICA WU

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EDUCATION

University of California, Irvine Irvine, California   Sep. 2020 - Dec. 2021(Expected)
Master of Computer Science

National Central University, Taiwan Taoyuan City, Taiwan   Sep. 2016 - June 2020
B.S. in Computer Science and Information Engineering
GPA: 3.7 / 4.0   Awards: Dean's List (Top 5%), 2020
Coursework: Data Structure, Algorithms, Compiler, 3D Computer Graphics, System Component Design for Emerging Memory and Storage Technologies, Cloud Computing

TECHNICAL SKILLS

Languages   C++, Python, Dart, Java, C
Frameworks & Tools   Flutter, Android, Google Cloud Platform, Hadoop, AWS EMR, Git, FUSE

EXPERIENCE

Computer Center, National Central University Taoyuan City, Taiwan   Sep. 2016 – June 2020
Student Dormitory Network IT Support

- Maintained dormitory network in Linux and Windows operating system environment
- Demonstrated potential network security issues for engineers and troubleshoot IP conflict problems for students

CyberLink Corp. New Taipei City, Taiwan   Summer 2019
Mobile Software R&D Summer Intern (Android)

- Implemented email crash report for PowerDirector Android to assist engineers to analyze app crashing statistics
- Fixed frontend bugs for PowerDirector Android to make title animation move smoothly for better user experience
- Performed a cache to record users' daily usage for reducing workloads of backend server

SOFTWARE ENGINEERING PROJECTS

isleT, A Teachers Rating App
- Developed a teacher rating app with Flutter framework, where users can view ratings and reviews of professors by typing professors' last name
- Increased data scalability by redesigning professor data in Google Cloud Firestore and implemented user authentication features with Google Firebase
- Designed user interface of search bar, review page, account register, user login

Echo Chamber In/Out App Web Backend
- built a web backend for Android App with Flask framework in Python
- handled RESTful requests and retrieves news data from SQLite database for the Android app frontend

IMFS, In-memory File System based on FUSE
- Built an in-memory file system similar to the second extended filesystem (EXT2) architecture with FUSE
- Supported basic Linux filesystem commands including cd, ls, mkdir, rmdir, touch, etc

Proteins Interaction Data Analysis
- processed big proteins interactions network data with Hadoop MapReduce on Linux and AWS EMR

3D Graphics Drawer in OpenGL
- Built a rendering drawer API to display 3D graphics, implementing computer graphics drawing algorithms from scratch with OpenGL and C++ language