
EDUCATION

University of Southern California

M.S in Computer Science

Zhejiang University

B.Eng in Software Engineering (Award: Outstanding Graduate)

Los Angeles, United States

Expected Dec. 2019

Hangzhou, China

Jun. 2018

PROFESSIONAL EXPERIENCE

Google

Software Engineer Intern

Mountain View, United States

May. 2019 - Aug. 2019

- Focused on the bug analysis module of an auto-testing infrastructure system.
- Implemented bug similarity options and refactored related code to unify the interface.
- Designed the evaluation metric of F-beta score and built the automatic evaluation system.
- Integrated services APIs provided other team to the testing analysis system and customized their parameters.

Intel Corporation

Software Engineer Intern

Shanghai, China

Apr. 2018 - Jul. 2018

- Contributed to [Analytics Zoo](#), an open-source distributed analytics platform.
- Built deep learning applications on Spark, including anomaly detection, image augmentation and object detection.
- Developed the module of image transformers with 16 Scala classes and applied polymorphism design to enable sequential operations.
- Reduced customer memory usage from 22g to 8g by feature engineering and model modification.
- Wrapped bottom-level APIs to high-level APIs and migrate Scala workflow to Python workflow.
- Reconstructed interactive applications to jupyter and generated the pipeline to test these applications on Jenkins.

Owtware Technology Co.,Ltd

Software Development Engineer Intern

Shanghai, China

Feb. 2017 - May. 2017

- Worked on [Filegear](#), a private cloud service that supports cloud file management and sharing.
- Built account settings module for iOS client using Swift and completed UI renovation to target iOS users.
- Constructed backend APIs to enable the development of new features including avatars and uploading files.

SELECTED PROJECTS

Product Search Web

Jan. 2019

- Constructed a web application for users to items on ebay and customized results display.
- Achieved the responsive frondend using bootstrap and AJAX using Angular and jQuery.
- Utilized json data from third-party services using NodeJS and designed robust processing logic for failures.
- Used HTML5 Local storage to store largea amount of data securely without affecting website performance.

CSCW Markdown Editor

Dec. 2016

- Developed a Markdown editor with navigation bar, html preview, import css and export docx.
- Supported multiple editors, any key or mouse action in one will take action at the other side.
- Designed multi-thread logics to handle advanced auto-preview and auto-sync.

Concise SQL engine

Jun. 2016

- Concise SQL engine (Database Management System) for single user to create and delete tables, indexes, records and select records thorough a character interface.
- Built B+ tree in index to optimize its response performance and reduced I/O cost.
- Implemented a buffer manager module with Least Recently Used (LRU) and pin function to minimize disk read.
- Implemented an interpreter module and designed the flow of control and parse tree.

PROGRAMMING SKILLS

Programming Language: C/C++, Java, Python, Scala, Swift, HTML, JS, CSS, SQL

Tools and Framework: Spark, Jenkins, Angular, ReactJS, NodeJS, Flask, Django, Jupyter Notebook