

Leiyi(Larry) Gao

Software Engineering Internship
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Bio

With a bachelor's degree of Computer Science, I am writing to express my interest in Technology, Computing and Software Development career opportunities. I have obtained knowledge of computer programming, back-end and front-end project development and working as a TeamLeader for my previous projects. I believe I would make a valuable addition to my future employer.

Education

BACHELOR | GRADUATE date: DECEMBER 2022 | SAN FRANCISCO STATE UNIVERSITY

Major: Computer Science.

Related coursework: Programming Methodology, Unix Programming, Database System, Software Development, Analysis of Algorithms, Operating System, Computer Networks, Software Engineering.

Skills

Languages : JAVA

Technologies: Linux, GitHub, MongoDB, React API, Spark.

Tools: Docker, IntelliJ, Visual Studio Code, Jupyter NoteBook, Google Cloud Platform.

Relevant Projects

Linux File System

- ★Design a fully functional file system to better understand Linux Operating System functionality by implementing linux file system commands.
- ★Implement data manipulation strategies which used less memory by implementing high-level I/O buffering.
- ★Develop a traditional UI to improve file system interaction by implementing a Linux command line interpreter.
- ★Enable file navigation to find and edit files faster by integrating a directory in the filesystem.

Payment System

- ★Design a simple payment system over-the-top service by using Spark, MongoDB and React API.
- ★Implement JAVA code align with Spark for back-end of the project.
- ★Write code with React API by using Visual Studio Code for front-end part.
- ★Enable MongoDB server with Robo 3T editor as database system.

Biomedical Imaging Analysis

- ★Design a biomedical imaging system to differentiate healthy lung versus Covid19 infected lung.
- ★Implement Python code to satisfy biomedical imaging process.
- ★Develop segmentation, registration and quantification process by using Jupyter Notebook web-based interactive platform to show visual presentation to the audience.
- ★Present an analysis report for the final project after conduct research on open source community.

RateMyResume

- ★Develop an higher level APP by using MERN technology.
- ★Implement Google Cloud Platform as user interface.
- ★Design a social-media based resume enhancing APP by employing Kanban and Scrum methods.
- ★Enable the main functions of the APP by using MongoDB, Docker, Spark and React API.

Work Experience

PREMIER RELATIONSHIP MANAGER | HSBC | JUNE 2020- SEPTEMBER 2021

- ★Working with high-net worth clients with their specific needs, such as all retail banking accounts, investments and mortgage requests.
- ★Building strong relationships with new and existing clients on a weekly basis.
- ★Asist branch team members on daily reports and branch operations.
- ★Review client's financial goals and their future retirement needs on a quarterly basis. Follow up with leads and generate more business for the firm.

Other Qualifications

FINARA Series7, 66 license holder.