

BRIAN HAN

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EDUCATION

Shanghai Jiao Tong University

B.Eng. in Software Engineering

Shanghai, China

Sept. 2019 - June 2023 (expected)

- Course Covered: Computer Systems, Web Development, Software Engineering, Machine Learning
- A/A+ Courses: Calculus, Linear Algebra, Android Client Development, Unmanned System, Game Designing and Programming, and others

HONORS

Shanghai Government Scholarship (merit-based)

Sept. 2019 - July 2023

TECHNICAL SKILLS

Programming: C, C++, Java, Python, JavaScript, TypeScript, C#, Kotlin
Web Development: HTML5, CSS, React, Vue, Spring-boot, Django, Node.js
Data Management: MySQL, MongoDB, Redis
Other Development: React-Native, Android Studio, Unity3D, Qt
DevOps: Git, Nginx, UML, Jmeter

EXPERIENCE

Digital ART Lab of SJTU

Software Developer Intern

Shanghai, China

June - Sept. 2022

- Joined DigitalTwin group, working on development of front-end UI functions and visualization in [SHU3D](#).
- Modified how the front-end code accesses image materials and optimized the deployment of image resources to improved the loading speed of web pages by approximately 50%.
- Rebuilt the Admin-Management Page and several other control panels with React according to the updating UX/UI designs.

PROJECTS

Advanced E-book - Web Application Project for SE367: Architecture of Enterprise Applications

Full-Stack Developer

Mar. - Dec. 2021

- Developed a React+Spring-boot+MySQL/MongoDB based bookstore mall website with some middlewares.
- Built a cluster of the bookstore applications with 1 Nginx instance (load balancing) + 1 Redis instance (storing sessions) + 2 Tomcat instances (M-S Backups for MySQL).
- Used JMS to implement the order placement message queue and asynchronous processing of requests from users during the idle period, improving the efficiency of order placement and throughput.

Q&A bot - Summer-Semester Project in the School of Software

Team Leader & Front-End Developer & Back-End Developer

July - Sept. 2021

- Led a team of four and designed C/S architecture embedded with MVC for chat-bot app, modeling it in UML.
- Designed the Chat Page UI that saves and displays the messages queue while chatting and Management Service for developers to purchase and view API, implemented with React-Native, Django.
- Programmed Scrapy scripts for the spider that grabs the relevant answers from Zhihu when the NLP model cannot give a satisfactory answer.

Cool Media Player - Final Project for ByteDance-SJTU-Android2022 (Top 3 of 12 in Final Showcase)

Function Designer & Android Client Developer

Mar. - May 2022

- Designed, implemented and tested a mobile app with Kotlin, Android Studio where users can play or record videos with real-time floating comments as well as edit with subtitles.