ZIJUN TIAN

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EDUCATION

Cornell University, Cornell Tech, New York, NY   Aug 2020 - May 2021
Master of Engineering in Computer Science | GPA: 3.81/4.0
Relevant Coursework: Algorithms for Applications, Security & Privacy in the Wild, Cloud Computing, Machine Learning Engineering

Zhejiang University, College of Computer Science and Technology, Hangzhou, China   Sept 2016 -June 2020
Bachelor of Engineering in Software Engineering | Major GPA: 3.92/4.0
Award: *He Zhijun* Honor Class, "Zhejiang News-Alibaba" Geek Scholarship

University of British Columbia, College of Electrical and Computer Engineering, Vancouver, Canada   July 2018 - Aug 2018
Summer Program

TECHNICAL SKILLS

Coding Language: JavaScript, Python, TypeScript, HTML, CSS, Java, C, C++, C#, SQL
Tools/Frameworks: React.js, Vue.js, Dva.js, Egg.js, Electron, React Native, PyTorch, Docker, Elastic Search

EXPERIENCE

Tencent, Software Engineer Intern, Shenzhen, China.   June 2020 - Aug 2020
- Built vulnerability scanning center to show and process security works and data based on **Egg.js, MySQL** and **React.**
- Developed a Internet-connected devices search engine with **3 billion** data entries using **React, MySQL** and **Elastic Search.**
- Optimized the **Elastic Search** and reduce the average search latency from **2000ms to 500ms.**

Hong Kong Applied Science and Technology Research Institute, Research Assistant, Hong Kong SAR.   July 2019 - Oct 2019
- Developed a decentralized and secure multi-media messenger, ChainChat, using **React Naive**, **Ethereum** and **Filecoin**.
- Applied **named-data networking** routing and Solar File System combined with **Ethereum** Whisper protocol to the system, which is **150%** faster than normal UDP broadcast solutions.

DIDI, Software Engineer Intern, Hangzhou, China.   Nov 2018 - Mar 2019
- Developed mobile-end margin retreat components based on **Vue** and deployed nationwide being used for **20,000** drivers.
- Optimized the car equipment management system's **Webpack** configuration and make scripts **40%** smaller.

PROJECTS

CC98, (TypeScript, C#, React)   Sept 2016 - Present
CC98 is the online BBS of Zhejiang University founded in 2002, with more than 300,000 registers and 4000 DAU.
- Developed a campus online BBS website and PWA based on **React** and **Material UI,** after beta testing, improved the page loading time from **2.5s to 1.5s** in average, and improved PWA's loading speed by **80%** by deploying service work.

Chairshare, (JavaScript, React, Egg.js)   Dec 2020 - May 2021
Matching existing excess office spaces with companies to form meaningful relationships within industries. (Cornell Tech Startup Studio)

Talentaster, (JavaScript, Python, React, Flask, Azure, CosmosDB, ML modeling)   Mar 2021 - Mar 2021
An mobile app that can tell you if a watermelon is tasteful. (Cornell Digital Agriculture Hackathon 2021)

MiniTorch, (Python)   Sept 2020 - Dec 2020
A hand-made, pure and simple re-implementation of PyTorch in CS5781 Machine Learning Engineering.

VolunteerX, (JavaScript, React, Hyperledger)   July 2018 - Dec 2018
A blockchain public welfare platform can record the flow of public funds, standardize and trace it.
- The project won Third Prize in the Zhejiang University Challenge Cup, Third Prize in the National College Blockchain Contest, and was also selected for the Zhejiang News-Alibaba Geek Scholarship

PUBLICATIONS

Lingling L., Jianhai C., **Zijun T**., Qinming H., Butian H., Yang X., Zhenguang L. 'EduCoin: Secure and Efficient Payment for MOOC Environment' accepted by **IEEE Blockchain** 2019