

ZIJUN TIAN

New York, NY | vaynetian@gmail.com | (+1)917-488-2154
https://www.linkedin.com/in/vaynetian | http://www.vaynetian.cc

EDUCATION

Cornell University, Cornell Tech, New York, NY Aug 2020 - May 2021
Master of Engineering in Computer Science | GPA: N/A
Relevant Coursework: Algorithms for Applications, Security & Privacy in the Wild, Network and Markets, 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 Zhiyun 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, TypeScript, HTML, CSS, Java, C, C++, C#, Python, SQL
Operating Systems: Windows, Linux
Other Tools: React.js, Dva.js, Egg.js, Electron, React Native, Ethereum, Hyperledger

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.
- Optimized the resources with lazyload and cache and reorganized the data flow, improving the page loading time by **35%**.

PROJECTS

Zhejiang University CC98 Online BBS, (TypeScript, C#) 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.

Personalized Education Service Transaction and Supervision System, (JavaScript, Hyperledger DSL) Mar 2018 - Mar 2019
Next generation decentralized MOOC platform, developed by InCAS Lab.

- Developed a **React** front-end project for a digital education personalized service platform based on blockchain
- Programmed smart contracts that can handle high volume scenarios of course payment on Ethereum and **Hyperledger**.

VolunteerX, (JavaScript) July 2018 - Dec 2018
A blockchain public welfare platform can record the flow of public funds, standardize and trace it.

- Built a web application using smart contracts on **Hyperledger** as the back-end, with a **React** front-end
- 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