

Wintai Chan

Entry-level Software Engineer

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<https://wintaichan.tech/>

Education

University of Southampton

Sept 2018 - June 2022

BEng(Hons) Electronic Engineering

• **Courses:** Foundation of Machine Learning, Advanced Programming, Embedded Network Systems, Security of Cyber Physical Systems

Skills

Languages:	Python, Java, JavaScript, C/C++, Rust, HTML/CSS
Database::	MySQL, MongoDB, Neo4j,
Web Dev:	Spring framework, Hibernate, ReactJS, Nextjs, Node.js, Flask, Django
Tools	AWS, Linux/bash, Git
Microservices:	Docker, Kubernetes
Knowledge:	OOP, REST API, Network protocol stack, Agile Methodology, CI/CD, JIRA

Professional Experience

Software Developer (Internship)

Mar 2020 – Sept 2020

Ping'An Technology

Shanghai, China

- Scripting using Python and Web APIs.
- Designed and implemented data models in Python and Neo4j to create a web application to display and search routing paths between machines in the Local Area Network.
- Develop web interface and front-end logics using Vue.js

Software Engineer (Internship)

Oct 2019 – Feb 2020

Bilibili Group

Shanghai, China

- Assist senior developers in projects
- Analyze user needs and propose designed software solution
- Assist in testing software applications and new features

Projects

Decentralized Crowdfunding Platform

- Stack: **Solidity, Ethereum, React.js + Next.js**
 - The project is a decentralized crowdfunding application, built to solve the problem of money being misused by people, collected using the traditional crowdfunding applications.
- URL: <https://github.com/wintaig899/kickstarter-campaign-smart-contract>

Smart Home Monitoring and Security System

- Stack: **C, JavaScript, HTML/CSS, Google Firebase**
- Developed a system to monitor the environmental criteria of the house, temperature/humidity, intruders detection, smoke detection etc, associated with a web application deployed on Firebase for data logging and visualization.

URL: <https://github.com/wintai9899/Firebase-Web-Application-for-Home-Monitoring-System>

Network Routes Topology Search Application

- Stack: **Python/Flask, Neo4j, Vue.js**
 - Developed an automated network topology web application with Neo4j Database.
- URL: <https://github.com/wintai9899/Netstat-Map-Python-Flask-Vue.js->

About me

- Proficient in **Python**
- Experience in **Java (Threads API, Collections API, Java Stream, Garbage Collection etc.)**
- Experience in **Spring** Core/MVC/Boot/Cloud, REST and so on.
- Experience on **JavaScript** frameworks such as **ReactJS** and **NodeJS**.
- Experience in working with **databases** like **MySQL, MongoDB, Neo4j** and writing SQL queries.
- Knowledge on **Docker** and **Kubernetes** and **micro-services**.
- Knowledge on **AWS** such as **EC2, Lambda** and **S3**.
- Experience in **UNIX** platform, UNIX commands and Scripting.
- Experience in develop **DApps** and interact with the Ethereum Blockchain using **Web3JS** API and Metamask,
- Hands-on experience developing Etheruem smart contracts with **Solidity** and run tests on Ganache.
- A versatile and professional **engineering graduate** with a commitment to and experience of developing innovative and creative software solutions.
- Actively looking for a Java/Python **software developer** position with a fast-paced and ambitious company.
- Based in **London**
- **Available Immediately**
- Would not require visa sponsorship from the company