

# Wintai Chan

## Entry-level Software Engineer

wintaig899@gmail.com | +44 7943045246

<https://github.com/wintaig899>

## 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

<b>Languages:</b>	Python, C#, JavaScript, C, C++, Rust, HTML/CSS
<b>Database::</b>	MySQL, MongoDB, Neo4j,
<b>Web Dev:</b>	ASP.NET MVC, Entity framework, ReactJS, Nextjs, Node.js, Flask, Django
<b>Tools</b>	AWS, Linux/bash, Git, Docker, Kubernetes
<b>Knowledge:</b>	OOP, REST API, Network protocol stack, Agile Methodology

## 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

Shanghai, China

- Assist Senior Developers in projects.
- Analyze user needs and propose designed software solutions.
- 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/wintaig899/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, Javascript, C#, HTML/CSS**
- Knowledge in **C/C++ , Rust**
- 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 **software developer** position with a fast-paced and ambitious company.
- Based in **London**
- **Available Immediately**
- Would not require visa sponsorship from the company