

# Jason Xu

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## ABOUT ME

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- Web: HTML, CSS, jQuery, JavaScript (React, Vue), TypeScript, Tailwind CSS
- Programming: Python3 (Django, Flask), C/C++, Node.js (Express), C#(.NET)
- Analytics/Database: Tableau, Excel/VBA, SQL, Graph (Neo4j)
- Tools: Git, Jira, Docker, Vercel, Postman, Wix, WordPress

## EDUCATION

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### Master of Information Technology

Jun 2020 - Jun 2022

*University of New South Wales*

### Bachelor of Engineering (Honours) in Civil Engineering

Mar 2016 - Nov 2019

*University of Technology Sydney*

## WORK EXPERIENCE

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### Quant Developer

Apr 2022 - Present

*Edge Ark Pty Ltd*

- Cooperate with quantitative traders to analyse **10+ large noisy datasets** and identify market signals to develop effective algorithms and models
- Assist in validating that **3 financial models** have been correctly implemented for their intended use, and worked on general efficiency improvement and optimization
- Provide support in development, QA and **100+ production issues**

## PROJECTS

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### Financial Data Website | ASP.NET Core, React, TypeScript, Tailwind CSS

- Implemented user-friendly features enabling stock searches, portfolio management, and access to income statements, balance sheets, and cash flow data
- Data live feed from third-party API for live pricing and volatility
- Automated trades using embed investing API, and built email notification functionality for real-time alerts and performance monitoring

### Live Chat Application | Python3 (Django REST Framework), React, TypeScript, Axios

- Designed and built a robust chat server administration API, enabling efficient management and organization of chat servers
- Created API endpoints for server filtering, resulting in a **40% reduction in the time users spent searching for specific chat servers**
- Integrated routing within the React application, allowing users to navigate effortlessly between different sections, resulting in a **20% decrease in bounce rate**

### Task Management Application | Next.JS 13, Tailwind CSS, TypeScript, Appwrite, Zustand

- Developed a Trello-inspired clone, and pioneered the integration of ChatGPT for task summarization, resulting in a **25% increase in user task comprehension**
- Engineered a user-friendly interface that fosters a dynamic and engaging experience, enabling users to effortlessly prioritize and organize tasks with a simple drag of the mouse
- Successfully implemented an innovative search bar feature, enhancing user efficiency and contributing to a **30% reduction in task retrieval time**

### Wait Management System | JavaScript (React), HTML, CSS, Python (Flask), MySQL

- Built React-based front-end system to enable interactive UIs, and implemented MySQL database remotely with six tables to store required data
- Developed a web-based application for restaurants to allow users (customers, wait staffs, kitchen staffs and managers) to perform functionalities associated

## **INTERNSHIPS**

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### **Design Engineer Intern**

Oct2018 - Mar2019

*Enoch Building Design Pty Ltd*

- Conducted concrete, timber, and drainage designs of two residential houses
- Enhanced understanding on Building Code of Australian Standards
- Reviewed all design documentation before submission to supervisor

### **Cadet Site Engineer**

Oct2017 - Mar2018

*Prestige Building Constructions Pty Ltd*

- Collaborated with 5-member team to complete construction of a 6-storeys apartment
- Inspected and proctored site activities, kept a site diary on a weekly basis
- Verified and studied all documentation and drawings delivered
- Monitored and tracked all subcontractors and suppliers on site
- Supported new intern to get him familiar with site activities

## **REFEREES**

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Available upon request