

Jordan Chin

jordanchin.jy2001@gmail.com | 585-303-4565 | <https://github.com/jyc119> | <https://www.linkedin.com/in/jordan-chin-jy/>

EDUCATION

Rochester Institute of Technology

Graduating 05/2025

- **Master of Science Computer Science, GPA: 3.97**
- Related Coursework: Advanced Object-Oriented Programming, Intro to Big Data, Machine Learning

Imperial College London

09/2019 – 06/2022

- BEng Electrical and Electronic Engineering (3YFT), Achieved **Upper Second-Class Honors**

SKILLS

Programming – Python, Java, Verilog, TypeScript, JavaScript, PHP, C++, F#, Haskell

Web & Database – HTML, CSS, MySQL, PostgreSQL (PSQL), NoSQL, MongoDB

Frameworks – React, Next.js, Three.js, Tailwind CSS, .NET, Cypress, FastAPI, Tensorflow, Pytorch

Technology Tools – AWS, Atlassian Jira, CI/CD, Pandas, Scikit-learn, Node.js, Unix, Postman, Git, VSCode, Pycharm, Arduino

Language – English, Mandarin, Malay

WORK EXPERIENCE

Software Engineer Intern

05/2023 – 08/2023

Oyen Pet Insurance, Kuala Lumpur Malaysia

- Spearheaded the development and implementation of automated QA testing scripts using **Cypress** and **Postman**, successfully eliminating the need for manual regression testing and accelerating testing cycles by **50%**
- Collaborated with a **five-member team** to innovate and deliver product features using **TypeScript** and **Tailwind CSS**
- Employed **Next.js** and **Prisma** within a **Jira-managed workflow** to keep track of and troubleshoot bugs related to product development and testing
- Implemented **CI/CD** pipelines using GitHub actions to automate the testing and deployment process, significantly reducing time taken to deploy new features and ensuring high code quality throughout automated tests.

Full-Stack Web Developer Intern

09/2022 – 12/2022

Digiraptor Sdn Bhd, Kuala Lumpur Malaysia

- Mastered **PHP** and **MySQL** to architect and develop dynamic webpages, enhancing the internal management system
- Led the initiative to deploy a **comprehensive web system** showcasing staff profiles and project timelines, improving intra-company visibility and project tracking
- Pioneered the integration of **Google Chart JS** for data visualization, which streamlined the interpretation of complex company records and increased reporting efficiency

PROJECTS

Dynamic Algorithm Visualizer

2024

- Developed an interactive tool for visualizing different algorithms like sorting, graph traversal and dynamic programming, using **React** for front-end development and **Tailwind CSS** for styling
- Utilized D3.js to render data visualizations, providing **smooth animations** to illustrate algorithm behavior
- Implemented a backend with 'Json-server' to enable algorithm configurations through **CRUD** operations
- Used: **React.js, Tailwind CSS, D3.js, Node.js**

3D Web Portfolio

2024

- Engineered an interactive 3D web portfolio, leveraging **Three.js**, **Framer Motion** and **Tailwind CSS** to showcase professional work with rich, engaging visuals that enhances user engagement
- Crafted a realistic virtual experience with tailored camera dynamics and lighting in Three.js
- Enabled direct user communication via an API-connected email form using **Email JS**
- Used: **React.js, Tailwind CSS, Three.js, Framer Motion, Email JS**

Big Data Analysis

2024

- Developed a comprehensive data pipeline to clean and analyze over 80 million tuples from the MyAnimeList dataset using PostgreSQL and MongoDB
- Integrated relational and document-based datasets, leveraging PostgreSQL for structured data and MongoDB for unstructured data storage.
- Applied the Apriori algorithm for frequent itemset mining, identifying significant patterns within the dataset, such as anime genre preferences and user behavior insights.
- Used: **Pandas, PostgreSQL, MongoDB, SQL, Python**

Login System

2023

- Created a login system utilizing **FastAPI**, HTML/CSS and JavaScript with an SQLite backend to store login credentials
- Implemented a '**remember me**' feature, optimizing user experience through authentication using secure HTTP Cookies
- Used: **FastAPI, REST API, HTML, CSS, JavaScript, Python, SQLite**