

Jordan Chin

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EDUCATION

Rochester Institute of Technology

Graduating 08/2025

- **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.js, Next.js, Three.js, Tailwind CSS, .NET, Spring Boot, 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

01/2025 - Present

Paychex, New York, United States

- Collaborated with a cross-functional Agile team to develop a **cloud-native tax computation** and payroll application, replacing the legacy COBOL-based system with modern technologies like **Spring Boot** and **MongoDB**.
- Designed and implemented **RESTful APIs** for critical tax processing workflows, ensuring scalability and reliability through best practices in Java development.
- Leveraged CI/CD pipelines with **Gradle** to automate build, testing, and deployment, enabling continuous delivery of application features.
- Integrated Kafka and RabbitMQ to facilitate **real-time communication** and asynchronous processing across distributed microservices.

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 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, 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

Read Together App

2024

- Engineered a real-time collaborative reading platform using **React.js**, **Node.js**, and **PostgreSQL**, implementing **WebSocket** technology for synchronized page tracking and live chat functionality
- Designed an 8-table **relational database** architecture with UUID-based security, managing user authentication, reading rooms, and a dynamic annotation system with JSONB position tracking
- Implemented a comprehensive social reading experience featuring **real-time annotations**, progress tracking across multiple books, and a **rating system** with composite key constraints
- Used: **React.js, Tailwind CSS, PostgreSQL, Node.js, Socket.IO**

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**