

Zhi Jie Chen

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EXPERIENCE

IBM

Cork Airport Business Park, Cork

Software Engineer

March 2023 - Sep 2023

- Developed and maintained Cypress tests for playbook canvas and system interactions on IBM SOAR QRadar.
- Removed flakiness on many Cypress tests in Jenkins, increasing the success rate from **70% to 90%**.
- Converted deprecated Enzyme tests to React Testing Library, enhancing the pass rate by **15%**.
- Presented findings on the playbook system for the next major release.
- Followed Agile methodologies, utilizing Jira for task management, Git for version control, and Jenkins for builds.
- **Technical Skills:** Cypress, JavaScript, React Testing Library, Jenkins, Jira, Git
- **Soft Skills:** Teamwork, QA Thinking, Agile, Communication, Time Management, Presentation

University College Cork

College Road, Cork

Intern / Research Assistant

June 2022 - Sep 2022

- Redesigned the website of Cork Smart Gateway with WordPress CMS in a team of two.
- Hosted a local LAMP server for debugging, reducing bugs by **20%** and increasing productivity by **15%**.
- Improved website performance by **31%** through plugin and CSS optimization.
- Ensured **99%** uptime during testing by deploying the site on Amazon Lightsail.
- Coordinated fortnightly meetings and documented website's plugins, usage and improvements.
- **Technical Skills:** WordPress, Lightsail, PHP, CSS, JavaScript
- **Soft Skills:** Time Management, Project Planning, Teamwork, Coordinating Meetings, Documentation

EDUCATION

University College Cork

Cork, Ireland

BSc Computer Science (**First Class Honours**)

Sep 2020 – June 2024

Key Modules: Web Development (Flask & JavaScript), Artificial Intelligence, Data Structures & Algorithms, Programming with Java, Programming with Python, Software Engineering, Computer Security

PROJECTS

Next-Posts

Creator

May 2024 - May 2024

- Developed a responsive website using Next.js and React with MongoDB Atlas for storing posts.
- Enabled CRUD operations with custom Next API, reducing post fetch times by **10%**.
- Boosted SEO by **15%** using custom metadata and server-side rendering.
- Implemented authentication with credentials and OAuth providers (GitHub) via NextAuth.
- Deployed frontend on Vercel, ensuring **100%** uptime and seamless MongoDB interaction.
- **Technical Skills:** React JavaScript, Next.js, MongoDB, CSS, Git, Vercel
- **Soft Skills:** Time Management, Project Planning

Recording Volunteering with Blockchain

Creator

Sep 2023 - April 2024

- Developed a full-stack web app for tracking volunteer work using Blockchain, React Typescript, Supabase, and Solidity.
- Implemented ERC20 smart contract deployed on Sepolia testnet, reducing gas fees by **12%** through optimization.
- Enhanced page loading times by **20%** through refactoring and pre-fetching data from Supabase.
- Documented research, development, and potential improvements in a LaTeX report.
- **Technical Skills:** React Typescript, Tailwind, Solidity, Smart Contracts, Supabase, LaTeX, Figma, Git
- **Soft Skills:** Time Management, Project Planning, Communication, Presentation, Report Writing

Dual Ascent, Tower of Cards

Creator

Jan 2023 - March 2023

- Collaborated in a six-person team to develop turn-based roguelike card game using Phaser 3.
- Optimized sprite and scene transition through pre-loading, improving performance by **35%**.
- Reduced code conflicts by **15%** through bi-weekly refactoring sessions.
- Created iterative sprites and cards based on team feedback using Figma.
- **Technical Skills:** Figma, JavaScript, Phaser, Git, Markdown
- **Soft Skills:** Teamwork, Project Planning, Communication, Presentation, Report Writing

SKILLS

Programming: TypeScript, JavaScript (React, Next, Cypress), Python, Java, Solidity

Frameworks & Tools: Tailwind, SQL, Flask, Django, MongoDB, Supabase, Git, Linux, Vi, LaTeX (Overleaf)

Soft Skills: Time Management, Teamwork, Problem-Solving, Documentation, Presentation

INTERESTS

Fitness: Regular gym member since age 14; helps with stress management.

Languages: Proficient in English & Irish; conversational in Chinese & French.