

# ELROY CHUA MING XUAN

[elroymx@gmail.com](mailto:elroymx@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Website](#) | +65 8436 4966 | Singaporean

## EDUCATION

### University of Wollongong

SIM GE

*Bachelor of Computer Science (Big Data) GPA: 3.6/4*

*Oct 2021 – Mar 2024 (expected)*

- High Distinction in the following: IT Project Management, Data Management & Security, Database Systems, Algorithms & Data Structures, Object-oriented Design & Programming and Problem Solving
- Extra-curriculars: Software Engineering Club (Co-founder), Data Analytics Club (Analyst) and IT Club (Sub-committee)

### Nanyang Polytechnic

*Diploma in Spatial Design*

*Apr 2016 – Mar 2019*

- Achieved Director's List in Year 1, learned design thinking, UX design concepts and architectural technologies.

## WORK EXPERIENCE

### GetPaid – Singapore

*Full Stack Developer Intern*

*Nov 2022 – May 2023 (expected)*

- Maintained product application by developing front-end solutions for user-reported issues with React, Next.js and Node.js
- Implemented internationalization for partner countries like Indonesia and Vietnam, utilising i18n routing and Typescript
- Developed email automation with Sendgrid API and Typescript, and CMS with Hygraph
- Spearheaded complete regression testing of production application for external facing tools in payroll system using PostgreSQL
- Aided in migration to agile development methodologies, implemented Fibonacci sequence for estimating card complexity, and enhanced GetPaid's developer documentation to reduce onboard time for new employees
- Contributed to peer code reviews, QA testing and took charge of regression testing for external facing tools in payroll system
- Improved time efficiency in resolving technical support issues by 75% with Clickup automation and TablePlus

*Software Engineer Intern*

*Apr 2022 – Nov 2022*

- Designed a front-end onboarding application to transition from a WordPress website to a React-based web app, which resulted in cost-effectiveness, with React, Next.js and Vercel – [website link](#)
- Utilized project management principles with Gitlab, improved communication skills and proficiency in pair programming
- Supported regression testing during the development phase resulting in improved integration speed with external APIs
- Built a CMS system with GraphQL improving time efficiency in publishing blog posts by 100%.

## PROJECTS

### Freelance Developer

*Sep 2022 – Present*

- Designed and developed front-end onboarding platforms for several clients using React, Next.js and Node.js
- Applied SEO best practices and Vercel for automated CI/CD resulting in performant websites and improved Lighthouse metrics

### Project Flux, SIM Data Analytics Club

*Jan 2023 – Apr 2023*

- Developed web scrapers on the Clinical Trials team using Selenium resulting in 100,000+ data scraped from Jan to Mar.
- Created ML models to corroborate patients questions on various forums with updated and reliable clinical trials in a team of 6

### Code Dojo Hackathon, Ninja Van – [GitHub](#)

*Feb 2023*

- Front-end lead in a team of 5, devised a solution assisting with delivery tracking that improves customer experience and service quality of Ninja Van using React, Next.js, Axios, Springboot and PostgreSQL

### Research Assistant, Fuller

*Dec 2023 – Feb 2023*

- Developed data visualization using Python's Matplotlib and Seaborn for interview analysis of multiple Pastors from different regions of the Philippines on partnerships in the church planting movement within indigenous churches

### Appetizer Hackathon, Naver Cloud – [GitHub](#)

*Aug 2022 – Oct 2022*

- Led a team of five as a project manager and front-end lead, securing 3<sup>rd</sup> prize in a global hackathon
- Devised innovative cloud-based solutions using the Hashscraper API, creating a full-stack application to address challenges posed by the COVID-19 pandemic using React, Next.js, Axios, Heroku and Spring

### Room Booking App, UOW Project Management Module – [GitHub](#)

*Oct 2021 – Dec 2021*

- Contributed to a team of six by developing a room booking app for students and administrators with Swift and Firebase and achieved a final grade of 90%

## SKILLS

- **Software Dev Tools and Processes:** Git, GitHub, Gitlab, Vercel, CI/CD, Regression Testing, Scrum, Agile
- **Programming:** JavaScript, Java, Python, Typescript, GraphQL, PL/SQL, C++, Swift
- **Web Development:** HTML, CSS, TailwindCSS, JSX, React, Next.js, Node.js, Selenium, ChakraUI
- **Database:** SQL, PostgreSQL, MongoDB
- **Data Science and Visualization:** Seaborn, Matplotlib
- **Project Management and Design skills:** Jira, Clickup, Miro, Figma, Adobe, AutoCAD
- **Soft skills:** Organizational skills, Communication skills, Creative thinking, Problem-solving skills, Leadership skills, Teamwork skills

## ADDITIONAL INFORMATION

- Finds meaning from volunteering at a local church and serving in feeding programs for underprivileged children in the Philippines, enjoys playing the guitar with over 6 years of live playing experience, acting in several commercials, and travelling