

# ELROY CHUA MING XUAN

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## EDUCATION

### University of Wollongong

Bachelor of Computer Science (Big Data)

SIM GE

Oct 2021 – Mar 2024 (expected)

- GPA: 3.6/4
- Extra-curriculars: Software Engineering Club (Co-founder), Data Analytics Club (Analyst) & IT Club (Sub-committee)

### Nanyang Polytechnic

Diploma in Spatial Design

Apr 2016 – Mar 2019

- Learned design thinking, UX design concepts and architectural technologies, achieved Director's List in Year 1

## WORK EXPERIENCE

### GetPaid – Singapore, Full Stack Developer Intern

Nov 2022 – Jun 2023

- Devised front-end solutions for user-reported issues in production application with ReactJS, NextJS and NodeJS
- Utilized external APIs (Sendgrid and TypeScript) to develop email automation and multi-language support
- Assisted in migration to agile development methodologies and utilized Fibonacci sequence for card complexity estimation
- Contributed to peer code reviews, QA testing and assisted in improving GetPaid developer documentation
- Took charge of complete regression testing of production application for external facing tools in payroll system using PostgreSQL
- Increased efficiency of time to resolve issues of Tier 2 support by 75% with Clickup and TablePlus

### Software Engineer Intern

Apr 2022 – Nov 2022

- Created a front-end onboarding application by transitioning from a WordPress website to a React-based web app, resulting in cost-effectiveness, utilizing ReactJS, NextJS and Vercel – [website link](#)
- Applied project management principles on Gitlab, honed communication with fellow developers, gained 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 to streamline the process of publishing blog posts

## PROJECTS

### Freelance Developer

Sep 2022 – Present

- Designed and developed front-end onboarding platforms for several clients using React, NextJS and NodeJS
- Applied SEO best practices and hosting on Vercel for automated CI/CD

### Project Flux, SIM Data Analytics Club

Jan 2023 – Apr 2023

- Developed website scrapers using Selenium resulting in 100,000+ data scraped
- Created ML models to corroborate patients questions on various forums with updated and reliable clinical trials in a team of 6 with client Project Flux

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

Feb 2023

- Front-end lead in a team of 5, creating a solution assisting with delivery tracking that improves customer experience and service quality of Ninja Van using ReactJS, NextJS, Axios, Springboot and PostgreSQL

### Research Assistant

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 out of 60 participating teams
- Devised innovative cloud-based solutions using Hashscraper API, creating a full-stack application to address challenges posed by the COVID-19 pandemic using ReactJS, NextJS, Axios, Heroku and Spring

### UOW Room Booking App – [GitHub](#)

Oct 2021 – Dec 2021

- Independently contributed to a team of six in developing a room booking app for students and administrators with Swift and achieved a final grade of 90%

## SKILLS

- **Programming:** JavaScript, Python, Java, C++, Swift, ReactJS, JSX, TypeScript, NodeJS, GraphQL, SQL, PL/SQL
- **Others:** Git, GitHub, GitLab, Vercel, Jira, Clickup, SEO, NextJS, HTML, CSS, SQL, PostgreSQL, MongoDB, Seaborn, Matplotlib, Selenium, Figma, Miro, Adobe, AutoCAD
- **Soft skills:** Organizational skills, creative thinking, problem-solving skills, leadership skills, teamwork skills
- **Hard skills:** Software development, project management skills, technical skills, CI/CD, regression testing

## ADDITIONAL INFORMATION

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