

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 – May 2023 (expected)

- Devised front-end solutions for user-reported issues in production application with React, Next.js and Node.js
- Implemented internationalization for partner countries like Indonesia and Vietnam, utilising i18n routing and Typescript
- Developed email automation and CMS by integrating with external APIs such as Sendgrid and Hygraph
- Assisted in migration to agile development methodologies and utilized Fibonacci sequence for card complexity estimation
- Contributed to peer code reviews, QA testing and took charge of complete regression testing of production application for external facing tools in payroll system
- Improved time efficiency in resolving issues of Tier 2 support by 75% with Clickup automation 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 React, Next.js 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, Next.js and Node.js
- Applied SEO best practices and hosting on Vercel for automated CI/CD

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
- Assisted in creating 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 React, Next.js, 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 3rd prize out of 60 participating teams
- 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

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

- **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, JSX, React, Next.js, Node.js, Selenium
- **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 commercials, and travelling