Zhuoling Zhou

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Education

University of New South Wales

Bachelor of Science in Computer Science   **January 2019 – May 2022**

- Relevant coursework: Database Systems (98 HD), Algorithms and Programming Techniques (96 HD), Object-Oriented Design and Programming (87 HD), Computer Networks and Applications (86 HD)
- Computer Science and Engineering Student Society – Projects Subcommittee 2020 (Slack Bot)
- 83.4 WAM

Bachelor of Computer Science & Engineering (Honours)   **June 2022 – Present**

Professional Experience

UNSW School of Economics   **May 2022 – Present**

Research Assistant

- Managed development, maintenance, and technical responsibilities of an android mobile application for a research project focused on smartphone usage and its effect on mental health
- Implemented a suite of integration and unit tests to ensure correct functionality using Espresso
- Developed an internal dashboard for the research project with React.js and Typescript to enable stakeholders to securely access and view collected data from the project in an organised format
- Collaborated with stakeholders to create an informational website for an upcoming economics conference using Next.js and Tailwind

KFC   **November 2018 – March 2020**

Customer Service Team Member

- Maintained high standards of customer service during high-volume, fast-paced operations
- Ensured procedures were followed for safe food preparation, assembly, and presentation

Relevant Projects

Arc Clubs Directory (TypeScript, Next.js, Redux, Tailwind, Python)

https://arc.unsw.edu.au/clubs

- Collaborated with Arc (student organisation at UNSW) to create an interactive clubs list, allowing incoming students to learn more about the 300+ clubs, societies and collectives at UNSW
- Established a data pipeline to validate and upload raw club data from a salesforce database
- Coordinated and regularly engaged with the Clubs and Marketing teams to ensure deliverables were completed in a timely and satisfactory manner

LinkUp – University Events Platform (TypeScript, Next.js, PostgreSQL, Tailwind, Prisma)

https://linkupevents.com/

- Architected an event aggregation platform for student society events at UNSW, allowing current students to view, add, comment and follow every upcoming event from top societies and clubs
- Designed and developed a web scraper to periodically scrape and upload event data from Facebook
- Followed security best practices by implementing authentication and authorisation using NextAuth.js, ensuring user credentials and sessions were always kept secure and valid
- Improved user experience by prototyping and iterating on the user interface with Figma

Technical Skills

- Languages: Python, TypeScript, JavaScript, HTML, CSS, SQL, Rust, Java, Kotlin, Bash, C
- Technologies: React, Node.js, Next.js, Tailwind, Prisma, PostgreSQL, SQLite, Redux
- Tools: Git, RegEx, Figma, AWS S3, Google Analytics, Vercel, Algolia, SendGrid, Papertrail, Google