Eddy **Shao**

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · UNIVERSITY OF SYDNEY

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Education

University of Sydney   *Sydney, AU*

BACHELOR OF ADVANCED COMPUTING   *Feb. 2020 - Nov. 2024*

• Computer Science Major, Psychology Minor

Work Experience

Allette Systems   *Sydney, AU*

SOFTWARE ENGINEER INTERN   *Jul. 2022 - Dec. 2022*

• Maintained, improved and updated **Java** and **Kotlin** backend services to meet new client requirements
• Updated and created new **XSL** transformations to modernise user reports
• Performed manual testing of **Vue** frontend applications, and tested **REST APIs** with **Postman**
• Deployed software releases to **Kubernetes** Clusters with Rancher and Kubectl
• Used **GitLab** for version control

Projects

shao.lol   ⬡ *Github*

WEB APPLICATION   🏠 *Website*

• Created a **React** webapp to track the match history and in-game stats, details of my personal League of Legends accounts
• Created custom **components** and styled with **vanilla CSS** to display data
• Deployed to a DigitalOcean droplet, running on an **NGINX** webserver where requests are forwarded to the Riot Games API
• Created for personal use, with plans to expand to the public

Riot Service

BACKEND SERVICE

• Created a backend service which interacts with Riot's APIs to return data to client applications, powered by a **Rust** webserver connected to a **PostgreSQL** database

Gromp   ⬡ *Github*

DISCORD BOT   🏠 *Website*

• Created a multipurpose League of Legends Discord bot in **Python** which aims to provide users with accurate information about live game data, player profiles, champions and spells
• Utilises the discord.py **Python** library to authenticate the bot and create user accessible commands and **Riot Service** to fetch data
• Used **Next.js** and **Tailwind CSS** to write and style the website
• Deployed the bot to a VPS and website to **Vercel**
• Created as current solutions investigated have functionality to be desired

Hao.works   ⬡ *Github*

PORTFOLIO WEBSITE   🏠 *Website*

• Created a portfolio website for a friend to display his architecture portfolio and contact information using **Next.js**, styled with **vanilla CSS**
• Deployed to **Vercel**

Cinema Booking System

UNIVERSITY PROJECT

• Developed a **Java** command-line cinema booking system within a SCRUM team
• Held daily **SCRUM** meets and weekly sprint reviews
• Utilised **Gradle** for build automation, **Jenkins** for CI/CD integration, **GitHub** for version control and **JUnit** for unit testing

Pacman Clone

UNIVERSITY PROJECT

• Developed a Pacman Clone with **Java** using the Processing library
• Utilised **JUnit** for unit testing
• Cemented **OOP** foundations

Skills

Languages   Python, Java, Kotlin, JavaScript, SQL

Web   HTML, CSS, React, Next.js, Flask, REST API, PostgreSQL, XSLT, XML