Adelaide, SA, Australia

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Education

The University of Adelaide **Adelaide, Australia** Graduating November 2023
Bachelor of Computer Science, Current GPA: 6.8 / 7

Methodist College Kuala Lumpur **Kuala Lumpur, Malaysia** Graduated November 2019
A Level, Further Mathematics (A*), Mathematics (A*), Physics (A), Economics (B)

Work Experience

Student Researcher on Code Quality — University of Adelaide Nov 2018 – Feb 2019
The first part consists of using BASH to restructure and organize the dataset then using tools like Pylint and Hyperstyle to check the quality of the code submitted. The results were visualized on Excel spreadsheets using Python. For the second part I analyzed the code's Abstract Syntax Tree generated by Clang and wrote a tool that can detect segments of code that can be refactored which are not picked up by the linters.

Projects

UOA MeetUp (HTML, CSS, VueJs, ExpressJs, MySQL) Nov 2018
Developed a fully function web application that is used to organize social events. Once a user creates an event, other users that are invited will receive an email via API. They can also log in to the website to specify their availability for the host to see.

Dungeon Rampage (Unity, C#) May 2018
A classic 2D dungeon crawl style game where the player navigates through the dungeon fighting all of the monsters with the final goal being defeating the dungeon boss. The player can navigate the maze using the keyboard and the player can defeat the monsters and the boss using hitbox detection.

Banking System (C++) Oct 2014
An abstract version of a banking system that is used in our daily life built using the key concepts of Object Oriented Programming. Customers can interact with each other via money transfer. Customers that hit a certain savings target will also get promoted to a premium account.

Languages

Proficient: C++, Python, BASH **Experienced:** C, C#, MATLAB, React, Vue.js, Node.js, MySQL

Additional Experience And Achievements

● **Summer research scholarship recipient (2022)** – I was given the opportunity to research code quality of beginner programmers under Dr Cruz Izu and Dr Amali Weerasinghe
● **ICPC South Pacific Divisionals Level A**- Placed 2nd in the University of Adelaide and tech talks.
● **AUG StudyFest 2022 –** Worked as a volunteer in an AUG event which had the goal of providing students a direction to pursue further studies at various universities.

Interests

Web and App Developing | Data Analyzing | Game Developing | Blog Writing | Badminton | Frisbee | Piano