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James Lim

Computer Science (Advanced) Undergraduate Student

Passionate about software engineering and eager to expand my knowledge and skills through new challenges and opportunities to innovate and create impactful solutions.

EDUCATION

Bachelor of Computer Science (Advanced) – The University of Adelaide GPA 6.2/7
Relevant Coursework: Object Oriented Programming, Software Engineering, Mathematics IA & IB (Algebra & Calculus), Algorithm Design & Data Structures, Web & Database Computing, Topics in Computer Science

SKILLS

- C++, C, Python, Pine Script, MATLAB, HTML, CSS, JS,
- Object Oriented Development, SharePoint, Microsoft Power App/Automate/BI, React

EXPERIENCE

Government of South Australia – Department of Infrastructure and Transport (DIT)
Undergraduate Vacation Employment Student / Dec 2022 – Feb 2023

- Gained excellent experience in leading a project, managing a project going live to users, reporting to a supervisor, and engaging with the end-users of a software.
- Facilitated the development of a SharePoint site for the Prosecution and Investigation team.
- Utilised SharePoint, Microsoft Power App/Automate/BI to optimise a workflow consisting of a multitude of data sets and data entry.
- Held a heavy emphasis on the user requirement process to ensure the outcome was one that suited the end-users needs.

PROJECTS

Blackjack – MATLAB Mar 2022 – May 2022
Created a version of Blackjack in the MATLAB language using terminal input and output as the interface.

SimCity 1989 – C++ Sep 2022 – Oct 2022
Collaborated with a partner to create a version of SimCity 1989 within C++ utilising the principles of Object-Oriented Programming. Fit with UI that allowed users to monitor their city's vitals and build/demolish buildings when necessary to reach a goal of XX money by the end of XX period.

Trading Algorithm – MACD w/ Trailing Stop Loss & Take Profit – Pine Script v5 / Python Jan 2023
First attempt at creating a Trading Algorithm which bases its market entry and exit on MACD crossovers / crossunders. Additional features include a trailing stop loss and an intended take profit limit (in progress)

UniLink – HTML, CSS & JavaScript June 2023
University Social Club Website for finding, joining, and engaging with chosen clubs. (More on Website)

COMMUNITY

Competitive Programming Club – Member 2023 – Current
Computer Science Club – Member 2023 – Current