**James Lim**

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**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 6/7, Expected 2024.

**Relevant Coursework:** Object Oriented Programming, Software Engineering, Mathematics IA & IB (Algebra & Calculus), Algorithm Design & Data Structures, Web & Database Computing, Adv Topics in Computer Science

**SKILLS**

* C++, C, Python, Pine Script, MATLAB, HTML & CSS,
* Object Oriented Development, SharePoint, Microsoft Power App/Automate/BI

**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)

**Pomodoro Timer** – HTML, CSS & JavaScript Jan 2023

Simple web-based timer that follows a method of studying in 25-minute intervals + 5-minute breaks.

**COMMUNITY**

**Competitive Programming Club –** Member 2023 – Current

**Computer Science Club –** Member 2023 – Current