

THOMAS FREW

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EDUCATION

Bachelor of Computer Science (Advanced), The University of Adelaide 2024 (Expected)

Relevant Coursework: Algorithm Design & Analysis, Artificial Intelligence, Computer Vision, Data Structures, Machine Learning, Object-Oriented Programming, Software Engineering

GPA: 7.0/7.0

ATAR: 99.80 (Dux of Nazareth College)

PROJECTS

Calculus Co. December 2020 – January 2021

Worked with senior student stakeholders to develop a graphics calculator app. Capabilities include algebra, graphing, financial mathematics, polynomials, simultaneous equations, a whiteboard and more. (C#, .NET)
Calculus Co. is now published in the Microsoft Store and has received over 850 downloads.

Ordernoms March 2021 – May 2021

Collaborated with a peer to develop an educational, synonym-guessing game for primary students. Two students compete in a Family-Feud style match, using a custom controller that interacts with the UI. (Python)

SACEology June 2021 – September 2021

Worked with senior student and teacher stakeholders to develop a learning management system that helps students achieve desired SACE results. Features include a course and assignment manager, in-built messenger, ATAR estimator and required-grade prediction system. (C#, .NET)

This project was mentioned in the Governor's Commendation of Excellence, a prestigious award that only 29 in over 15,000 senior students achieved in 2021.

Visual Chess September 2022 – October 2022

Collaborated with friends to produce a two-player chess game. Complete with a point-and-click UI that allows users to make moves, resign, offer a draw, and load previous positions. (C++)

Visionary January 2023

Developed several programs to help users create computer vision datasets and use these to train object detecting CNNs. Models feature both single-point and bounding-box object detection. (Python).

COMMUNITY INVOLVEMENT

Community Member, Ravi's Study Program November 2022 - Present

In this community of programmers, I provide coding advice and host informative mock interviews.

Community Volunteer, The University of Adelaide December 2022 - Present

Helping facilitate university events and tutoring first-year students in mathematics and computer science.

LANGUAGES

Proficient: C++, Python, C#, XAML

Experienced: JavaScript, HTML, CSS, MATLAB