

Kent Rattley

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EDUCATION

The University of Adelaide

2023 - 2025

Bachelor of Computer Science; GPA: 6.67; WAM: 86.75

EXPERIENCE

Rice Electrical Contractors

Nov 2021 - Dec 2022

Office Administrator (Certificate III in Business)

- Managed schedules for workers in order to minimise wait times for customers. Necessitating leadership, problem solving and collaboration with senior members.
- Handled customer queries and communications in regards to work being undertaken, requiring initiative and teamwork to stay on top.
- Learnt and made use of several different company software to process quotes, invoices and bank transactions. In addition, learning and teaching new solutions to meet a large contractors needs.
- Maintained baseline inventory levels for vehicles and warehouse with good coordination.
- Constructed multiple websites, including designs, using WordPress. Requiring independence and communication.

PROJECTS

Volunteer Organisation Management Website

March 2024 - June 2024

Vue.js, MySQL, ExpressJs

- Full stack social media website for volunteering organizations.
- Allows organisations to create events, posts and customise their page.
- Includes Google authentication, events and posts, and search functionality.

Minecraft Clone - In Progress

June 2024 - Present

C++, OpenGL

- Implements perlin noise terrain generation, chunk based rendering and texture mapping.
- Features a shader based 3d camera, mesh optimisations and back face culling for performance.

SEP - Maptek Block Compression Project

July 2024 - Nov 2024

C++, PyGame, Agile Development

- Contributed to a team with 8 members, applying Agile principles and utilising Github Pages.
- Compressed underground survey data using RLE to achieve high a compression rate and speed.
- Demonstrated a bug in their grading system to achieve a 100% compression rate.

AWARDS

- ADF Long Tan Youth Leadership & Teamwork Awards

2021

COMMUNITY INVOLVEMENT

- Computer Science Club - Member, Contributor to Open Source Team
- SQUAD - Member
- RSPxCPC Competitive Programming Competition

2023 - Present

2024 - Present

Feb 2025

PROGRAMMING SKILLS

- **Languages:** C++, Java, Python, JavaScript, Bash, MySQL
- **Frameworks:** OpenGL, SFML, Pygame, Next.js, Pytorch
- **Developer Tools:** Git/GitHub, Docker, Jupyter Notebook, WSL