

Darcy Geyer

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🐙 darcyg32 | 🌐 darcy-geyer | 📍 Adelaide, Australia

Education

The University of Adelaide

Feb. 2022 - Nov. 2024

Bachelor of Computer Science.

- Relevant Coursework: Introduction to Software Engineering, Algorithm and Data Structure Analysis, Web and Database Computing, Using Machine Learning Tools, and Computer Vision.

Experience

Software Engineer Intern

July 2024 - Oct. 2024

Edgible.

- Developed a tool injection feature for Ollama and FastAPI to enhance AI model responsiveness through real-time data retrieval.
- Optimized workflows using Docker, Google Cloud, and n8n, improving efficiency by streamlining automation pipelines.
- Conducted API testing with Postman to ensure seamless integration and reliable performance.

Software Engineer

Feb. 2024 - Jun. 2024

GuardianEyes - AI-Powered Security Camera.

- Created a web application integrating AI to detect abusive speech in video feeds, ensuring real-time safety reporting.
- Collaborated on research and pitching efforts, securing second place and \$2000 in the ThincLab Tech eChallenge competition.
- Delivered a functional demo showcasing abuse detection capabilities to stakeholders and competition judges.

Storeroom Assistant

Nov. 2022 - Present

Baby Bunting, Adelaide, Australia.

- Manage incoming stock, forklift operation, provide customer service, and maintain inventory accuracy.

Projects

Automated Blackjack Assistant 🎲

May 2024

Python, OpenCV

- Developed a real-time card detection and move recommendation system using Python and OpenCV.
- Integrated webcam functionality for live card analysis and implemented a decision-making algorithm.

ClubHub - Social Media for University Clubs

Jun. 2023

HTML, CSS, JavaScript, MySQL

- Developed a web app for university clubs using HTML, CSS, JavaScript, and MySQL.
- Led a team of four to create a platform for club discovery, member engagement, and event management.

Volunteering and Community Involvement

The University of Adelaide Competitive Programming Club

Jan. 2024 - Present

Member and Participant.

- Achieved a top 5 placement out of 34 teams during a 5-hour in-person C++ coding competition.

Ravi's Study Program

Nov. 2023 - Present

Graduate Member.

- Developed and shared over 150 comprehensive online flashcards, contributing to improved student success rates.

The University of Adelaide Computer Science Club

Feb. 2022 - Present

Community Building and Communication.

- Provide study assistance and actively engage in community building and communication within the club.

Skills

Languages: Python, C++, JavaScript, HTML, CSS, SQL, C, MATLAB, R

Technologies & Tools: Git, Docker, Docker Compose, FastAPI, n8n, Google Cloud, Postman