

Rashida Rudino

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PROFILE

Recent Computer Science graduate and Cluey Tutor since 2021, passionate about software and firmware programming. Adaptive learner and continuously exploring new technologies, having previously delved into PowerApps and now building apps using React.

EDUCATION

Bachelor of Science	UNSW Sydney (Kensington, NSW)	2021 January–2024 August
<ul style="list-style-type: none">Major in Computer Science		

TRAINING AND CERTIFICATIONS

Higher School Certificate	Al-Faisal College (Auburn, NSW)	2020
<ul style="list-style-type: none">96.90 ATAR		
Certificate II in Kitchen Operations		2019
<ul style="list-style-type: none">Barista Certificate	CBD College (Sydney, NSW)	

RELEVANT PROJECTS

Capstone <i>WaitUp!</i> React App – Programmed a restaurant waiting system	2024 Feb–May
<ul style="list-style-type: none">Utilised React with async hooks to manage state and handle asynchronous operations, incorporating loading progress indicators to enhance user experience.Combined Supabase and Node.js for building a real-time application, ensuring scalable and efficient handling of increasing data loads and user interactions.Developed and managed routes using Express.js, tested APIs with Postman, styled components with material UI framework to achieve a modern and sleek appearance.Coordinated with a team of five using Jira for agile task management, ensuring efficient workflow and leveraging state logic to enhance user experience and application performance.	

Dynamic React Apps	2023 Sep–Oct
<ul style="list-style-type: none">Built a Slack-inspired messaging app in JavaScript, enabling real-time communication, channels and user authentication for a dynamic and persistent chat experience.Created an Airbnb-inspired booking app with dynamic multi-page applications in a pair of two, with calendars, and features to create, view, update or remove booking listings.	

SYSTEM SKILLS

- JavaScript, HTML, CSS, Node.js, Express.js, React.js, C++, Python, Shell script, Rust, MySQL, PostgreSQL, Apache2, Nginx, REST API, Material UI, Astro, Svelte and MDX.
- Git, Postman API, Jira, I&T, CI/CD, TTD, Scrum and Agile.
- Exposure to Docker, Railway, Vercel and AWS.
- Revit, Unreal Engine, Unity2D, PowerApps and Dataverse, Gimp, Photoshop, SolidWorks.
- VS Code (integrated with Platform IO for microcontroller units) and Visual Studio for Unity 2D.

COMPUTING PROJECTS

Datalogger 2024 May–Present

- Designing a datalogger application that enables users to interact with moveable components including images, graphs, gauges and indicators showcasing real-time sensor data.
- Programming esp32s3 microcontrollers to serve the backend routes via access point for the frontend react client app.

Retro Terminal Game *Adventurers' Quest* 2023

- Built a coloured terminal game in Rust, designing an item collection system, nested quest completion with JSON map files, gaining familiarity of the language's modern borrowing system.

Client-server Network 2022

- Developed a multi-threaded Python server which supports UDP/TCP connections for over five clients.
- Facilitated successful video, image, and file transfers between clients, achieving 100% compliance with project specifications and earning a high distinction project mark.

3D VR Game *Pufferworks* 2022

- Collaborated in a team of four to develop a linear FPS game in Unreal Engine compatible with VR headsets, featuring upgradable player statistics, collectibles, and challenging rooms.
- Unified team members' ideas to form a singular game concept and narrative.

Chat App *Streams* – Object-Oriented Design & Programming course 2020

- Tested Python program using unit and integration tests, reaching 100% pipeline test coverage.
- Executed email verification, authentication login, chat channels, and coordinated with an agile team of five.
- Added additional features, permitting users to interact with a hangman chat bot inside channels, providing a 9% increase in marks.
- Conducted troubleshooting as a team, peer-reviewed code, resolved GitLab conflicts, and deployed application on Heroku.
- Demoed for all three iterations, initiated the program, and showcased team-contributed functionalities, achieving a 99% success rate and earning a high distinction project mark.

WORK EXPERIENCE

Online Tutor Cluey Learning (Remote) 2021 July–2024 Present

- Delivered 600+ online sessions, tutoring Australian and New Zealand regular students in grades 2-10, building rapport with students and parents, motivating students to develop self-efficacy, catering learning programs to special needs and providing urgent technical support when network or device issues arise.
- Featured in Teams post by CEO for attaining “outstanding” ratings across three elements evaluated: student engagement, educational value, and positive learning environment.

Academic Tutor CS Education (Auburn, NSW, AU) 2021 March–2021 June

- Tutored years 2-9, curating learning resources for teaching and assigning practice questions.

Restaurant Crew Member Ogalo (Bankstown, NSW, AU) 2019

- Conducted 60+ hours VET placement on kitchen operations, operating commercial equipment such as bain maries, deep fryers, shredders, rotisserie ovens, and salamanders

ADDITIONAL CURRICULARS

Code Camps and Hackathons

- Competed in three-day hackathon, utilising wireframe application, Balsamiq, to pitch an application in a team of three, showcasing an innovative mobile forum idea.
- Experimented with oscilloscopes, circuit wiring, and soldered circuit boards.
- Coded a spatial visualisation of a solar system with augmented reality and Google Cardboard.

Farm Projects

- Modelled multistorey Revit farmhouse blueprints, with building information documented.
- Assisted with installing steel wire and electric fences, cobblestone walls and concrete flooring.
- Worked with steel I-beams, purlins, Colorbond walls and roofing to build workshop.

Digital Design

- Operating partnered Etsy store, with over 60 digital art sales using Gimp, Paint Tool Sai and Photoshop.
- Distributed free content packages, selling 200+ animated pixel art commissions to DeviantArt users.
- Sewing and crocheting with plans to sell patterns and works on Etsy.