

TYLER GABRIEL GORDON

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SUMMARY

Diligent Software Engineer, with hands-on experience building full-stack applications and energy data tools for analysis. Proficient in Java, Python, and cloud technologies, I've led projects including a WA Energy Emissions Forecasting Dashboard and a Chrome productivity extension. I bring a strong foundation in software design, agile development, and a genuine passion for sustainability-focused tech solutions.

TECHNICAL SKILLS

- C, Java (JUnit), Python, JavaScript, Git, SQL, Kotlin, HTML, CSS
- Operating Systems, AWS, iOS/Android App Development, Agile, Firebase, GraphViz, Blender, Adobe

CERTIFICATIONS

AWS Certified Cloud Practitioner

July 2025

Amazon Web Services (AWS)

- Validates cloud fluency and knowledge of AWS services, billing, security and architecture.

PROJECTS

WA Energy Emissions & Forecasting Dashboard

Streamlit, Python, Pandas, Matplotlib, Forecasting Models

- Developed an interactive dashboard to visualize WA's electricity generation, emissions, and demand trends (2021–2024) using Streamlit for real-time filtering, dynamic chart and user-friendly interface.
- Integrated forecasting models to project electricity usage and identify seasonal patterns.
- Enabled dynamic data exploration by energy source and CO₂ intensity to support energy analysis and policy insights.

Town Railway System Development Simulator

Java, OOP, Design Patterns, UML

- Built a simulation of towns exchanging goods via dynamically constructed railways, with real-time state updates and file-based network visualization.
- Applied key OOP concepts and patterns including Observer, State, Factory, and Dependency Injection.
- Produced detailed UML class and state diagrams and incorporated simulation timing, concurrency, and file I/O.

FocusPal Chrome Web Extension

JavaScript, HTML, CSS, Chrome Storage API

- Developed a Pomodoro-style Chrome extension that helps users like myself stay focused by blocking distracting websites and managing study/break sessions.
- Implemented customizable timers, break mode transitions, and persistent settings using Chrome local storage.
- Designed a clean popup UI with responsive layout and dynamic content updates

EDUCATION

Curtin University

Expected Graduation - December 2026

Bachelor of Computing (Software Engineering)

- **Relevant Achievements (High Distinction/Distinction):** Data Structures and Algorithms (HD), Mobile App Development (D) Object-Oriented Programming (D), Design and Analysis of Algorithms (D), Unix and C Programming (HD), Database Systems (D)

WORK EXPERIENCE

Banquets Waiter

August 2023 - Present

Crown Resorts

- Provided high-quality service at large-scale corporate and private events, ensuring smooth execution of banquets for 100+ guests.
- Developed strong communication, adaptability, and time management skills while maintaining customer satisfaction.
- Gained valuable team collaboration and stakeholder engagement skills applicable to agile software development environments

Warehouse Operator

January 2022 - August 2023

Costa Logistics

- Picked and packed orders in a fast-paced cold storage environment, meeting daily KPIs.
- Used RF scanners and pallet jacks to manage stock and ensure accurate order fulfillment.
- Maintained safety and efficiency while working to tight schedules.

EXTRACURRICULAR ACTIVITIES

Freelance Video Editor

2022 - present

- Produce and edit video content for clients including promotional, event, and short-form social media content using Adobe After Effects and Blender (Portfolio available upon request).
- Manage client briefs, revisions, and delivery timelines, building communication and creative problem-solving skills.

Amateur Soccer Player

2015 - present

Murdoch University Melville FC

- Developed strong discipline, resilience, and teamwork under high-pressure, goal-driven environments.

REFERENCES

- *Available upon request*