

# TYLER GABRIEL GORDON

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## SUMMARY

Penultimate-Year Computing Student with a great curiosity in new developing technologies. I'm looking to learn and impact through innovation of software development. I'm passionate about real-world solutions and I've demonstrated this initiative through academic and personal projects that demonstrate a solid foundation in algorithms, cloud computing, system design, and agile workflows.

## TECHNICAL SKILLS

- C, Java (JUnit), Python, JavaScript, Git, SQL, Kotlin, HTML, CSS
- Matplotlib, Streamlit, NumPy, Pandas, AWS, iOS/Android App Development, Agile Methodology, Firebase, GraphViz, CI/CD, Linux/Unix, Scikit-learn

## 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, Scikit-learn

- 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 AI-driven forecasting models to project electricity usage and identify seasonal patterns.
- Focused on presenting policy-relevant insights through visual storytelling, supporting analysis of carbon intensity and renewable energy integration to inform environmental and sustainability decision-making.

### 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, “streak feature” 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.
- Gained hands-on experience with data entry systems, inventory software, and basic warehouse automation technologies.

## **EXTRACURRICULAR ACTIVITIES**

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### **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**

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- *Available upon request*