


# Callum Horton

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## SUMMARY

Final year software engineering student with a strong academic foundation eager to develop my skillset in a professional environment. I am enthusiastic about collaborating with experienced teams, learning from real-world projects and applying best practices to have a strong start as a professional in the technology industry.

## EDUCATION

### Bachelor of Computing – Software Engineering Major

July 2022 - Present

Curtin University

Expected Graduation: December 2025

CWA: 80.28 (Core Units: 84.3)

I have developed strong analytical and problem-solving skills by designing, building and debugging complex software programs. Further, managing multiple coursework deadlines and collaborating on group projects has strengthened my time management and project management abilities.

## RELEVANT COURSEWORK

Requirements Engineering | Data Structures and Algorithms | Database Systems | Operating Systems  
Software Engineering Testing | Distributed Computing | Cyber Crime and Security Enhanced Programming  
Object Oriented Software Engineering | Unix and C Programming

## PROJECTS

### Simple Chat Application | [GitHub](#)

- Developed a **.NET WPF** desktop application using **3-tier architecture** for modularity and scalability.
- Implemented **asynchronous programming** and **multithreading** to ensure a responsive UI with real-time updates.
- Integrated **Windows Communication Foundation (WCF) services** for efficient communication between tiers.

### Banking Web API | [GitHub](#)

- Developed a **RESTful ASP.NET Core Web API** for a banking application.
- Implemented **SQLite** as the database, using **ADO.NET** for efficient data access.
- Designed and implemented **user, account, and transaction management** functionalities.

## PROFESSIONAL DEVELOPMENT

### DeepLearning.AI | [Proof](#)

March 2025

ChatGPT Prompt Engineering for Developers

- Learned best practices for crafting effective prompts.
- Iterative prompt development.
- Applied prompt engineering techniques for text summarising, inferring, transforming and expanding.

### Microsoft Learn | [Profile](#)

January 2025

Microsoft Azure Fundamentals Learning Paths:

- Describe Cloud Concepts
- Describe Azure Architecture and Services
- Describe Azure Management and Governance

## SKILLS

**Programming Languages and Technologies:** C#, Java, Python, .NET (ASP.NET Core, WPF), SQL.

**Software Development:** Object-Oriented Programming, Multithreading, Asynchronous Programming, Design Patterns, API Development, Secure Development, Unit Testing.

**Development Tools and Methodologies:** Git, GitHub, Agile, Scrum.