Resume Skye Pooley 2024.1

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Portfolio: skyepooley.github.io/Portfolio

Career Objective

I want to be involved in backend development including data engineering.

I enjoy organising and presenting complex things in a manner that makes them accessible and useful for end users. Being assigned new and complex problems is a good day for me, I am always excited for an opportunity to improve my skills and try new things.

Skills Summary

Organisation

I enjoy optimising my workspace and techniques to increase efficiency and productivity. During my employment at Evo Cycles, I created systems for organising and storing small parts and tools. More efficient access to parts allowed our team to take more jobs and increase customer satisfaction.

Self-Development

I have experience working in industries that require continuous improvement and study. I have extended this to my academic studies, always aiming to learn beyond the content of each paper. This was useful in my career as a cycle mechanic as I always had the knowledge necessary to diagnose issues with new technologies.

Problem solving and diagnostics

I have a careful and methodical approach to problem solving which allows me to break down complex systems into small parts which are easily understood. I applied this skill as a mechanic to diagnose and find solutions for problems bought to me by clients. This experience has transferred well to debugging applications and understanding complex business rules.

Documentation

I have experience writing clear and concise documentation. During my employment with Evo Cycles, I documented common workshop procedures in a way that was easy to reference at a glance. This documentation helped to improve customer satisfaction through a reduction in mistakes, and avoided common injuries caused by poor technique.

Experience

Bicycle Service Technician – Evo Cycles	2022 – 2024
Bicycle Assembler – Evo Cycles	2021 – 2022

Organised and carried out repairs and regular services on bicycles for clients at Evo Cycles.
Skills: Schedule Management, Parts Procurement, Client Communication, Mechanical Repair.

Bicycle Assembly and Maintenance – Marshall Laing Primary School	2020 – 2021

Worked with a small group of enthusiasts at a local primary school to assemble and maintain bicycles for their Bikes in Schools programme.

Education

Bachelor of Computer and Information Science – AUT	2023 – 2025

Major in Software Development, Minor in Data Science, GPA 8.4

Workplace First Aid Certificate – Triple One Care	2021

Technical Skills

Java and C# OOP

I learned object-oriented programming through Java projects. A number of these projects were undertaken in a group using Git for collaboration. I have since began using C# for some personal projects.

Database Design and Integration

Designed databases for university papers using Oracle, Derby, and Access. Integrated databases into GUI based Java programs using JDBC.

Enjoyed designing business rules to make sense of complex organisations and data structures.

Embedded Systems

Learned register level programming of Atmel microcontrollers in C. Utilised these skills to create more complex electronics projects in C++ on Arduino boards.

Gained an understanding microprocessor functionality and machine code.

Other languages I have used: Python, SQL
Other tools I have used: Adobe Photoshop, InDesign, and Texture Sampler. Unity. GitHub. JetBrains IntelliJ. KiCad.

Project Experience

Course Enrolment Application Backend

I was responsible for developing the backend of an application in a group. I designed and implemented a Derby database and integrated it into a Java application using JDBC. I collaborated with the frontend designer through GitHub.

Pong Game on Microcontrollers

For a university paper on microcontrollers, I recreated Atari Home Pong on a pair of microcontrollers. I designed and assembled a PCB which held the microcontrollers and connected peripheral devices. The application was written in C++ using Arduino and Adafruit libraries. Images and details available on my portfolio.

Consider checking out my portfolio for more projects: skyepooley.github.io/Portfolio

Interests

I enjoy playing Dungeons and Dragons with a group of my university friends, we like to design worlds and campaigns as a creative outlet. I also enjoy tramping both in independent groups and club events, I use these trips as opportunities to practice my photography.

References

Ruben Riquelme-Otarola – Manager at Evo Cycles

Contact details available on request.

Ruben was my direct manager during my most recent position at Evo Cycles

Stefan Marks – Lecturer at AUT

Contact details available on request.

Stefan was my lecturer for two papers which involved Embedded C++, 3D modelling, and Teamwork.