Resume – William Turner

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Career Objective

Graduate student looking for a software development or business analysis role. A sentence about the role that you are looking for. I enjoy solving complex problems and view them as puzzles. I also find satisfaction in bridging the gap between business strategies and technical solutions.

I am passionate about all forms of programming and using my creativity to try and solve problems in efficient ways. One of my favorite aspects of the tech field is how it is always changing because I enjoy learning new technologies and techniques and applying these to create products or having a real effect on business processes.

Skills Summary

Communication

This summer was the first time I have worked in an office setting which was the first time I was required to communicate with non-technical co-workers. In doing so I had to teach and explain the work I was doing in a way that was understandable and professional.

Business Knowledge

My minor in business analytics has really allowed me to bridge the gap between the technical side of software development and data analysis to the actual business needs of the employer. This was put to use in my most recent employment where I had to understand the industry and business in order to prioritize mission critical milestones.

Fast Learning

The industry the last business I worked at is one I am relatively unfamiliar with, being RF and tele-communications hardware. To perform my role, I had to learn about both the industry and business processes which I had never been exposed to before. Being on a 2-month contract this had to be done quickly, and I managed to find my footing quickly.

Time Management

I have much experience in both short-term and long-term time management. Working in a kitchen environment is fast paced, managing time on a minute by minute or day to day basis. In my job at Intelcom I was working in a multi-week context as I had a set leaving date and had to manage my time effectively to ensure I completed my task before then.

Experience Summary

Data Entry - Intelcom	**Jan 2025 – Feb 2025**
Spa Delivery – Hotspring Spas	**Nov 2024 – Dec 2024**
Kitchen Staff – Hell Pizza	**Oct 2020 – Feb 2023**

Education

Bachelor of Science
Computer Science   **Feb 2023 - Current**

Detailed Experience

Data Entry   **Jan 2025 – Feb 2025**
As a contracted employee, I was responsible for migrating the business to an inventory management software (Unleashed). This required me to learn about the unique business requirements of the company and engage in a lot of problem solving. I had to identify and request necessary data, clean and normalize the data and prepare it for upload into the system. Previous data governance was non-existent, and I was responsible for defining and implementing processes to ensure data integrity and consistency.

Key tools / skills
- Excel formulas, macros and VBA
- Python data analytic techniques (Pandas)

Technical Skills

C Programming
- At university I have learnt C programming (which has become my favorite language). I have used C to program a game for a microcontroller, interfacing with hardware at the register level. With a partner we created a 'Connect-4' game between to boards communicating over IR and using an LED matrix and joystick for I/O.
- A personal project I have undertaken is a pseudo-3D raycaster written in C using the SDL library for graphics. This is similar to that used in Wolfenstein-3d and other early '3D' video games.

R Programming
- I learnt R while undertaking my minor in business analytics. Each week we were presented a case study and required to analyze and report our findings.

Other tools that I have used: IDEs, Git, Node.js, Express.js
Other languages I have used: Java, Python, HTML, CSS, JavaScript, Lua, TypeScript

GitHub profile: https://github.com/williamgturner

Project Experience

Home Helper   **When 17/02/25 - Current**

Currently I am working in a team to develop a kind of DIY social media platform. We are developing in an agile methodology using the SCRUM framework. The tools/languages we are using are Java, Spring, and ThymeLeaf. By the end of the year, we will have a complete full stack application.

As a personal project I decided to create a tool to visualize common searching and sorting algorithms. I chose to use Python as I wanted to develop my skills and haven't had much experience building GUIs using Python. It was my first time using threading to achieve a responsive application and using a Python graphics library.

Interests

I like to stay active in any way I can whether it is tramping, exercising, or playing sports. I love football and have played all my life. Being from Wellington I am a diehard Phoenix fan and try to catch every game I can. Outside of sports I have been picking up the Trumpet again after a hiatus of a few years. In general, I live for music and can often be found in small bars and venues sampling the huge pool of local talent no matter if I'm in Wellington jazz speakeasies, Christchurch rock bars, or Dunedin orchestral cathedrals.

References

Graham Knights
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