Tarras Weir

Computer Scientist, Data Engineer, Software
Engineer, Game Developer

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EXPERIENCE

ezyVet, Auckland— *Data Engineering Intern*

November 2022 - February 2023

A 4 month internship where I was introduced to the world of tech. My
responsibilities included data conversion, meetings, script writing,
remote access, and data transfers, as well as communication between
teams. I also completed a data board project for the project managers to
use.

Te Whatu Ora, Christchurch — *Data Analysis Intern*

November 2023 - December 2023

A 2 month internship in which I was tasked with analysing databases and
reformatting them into readable files, communicating between teams,
automating data collection, and writing API calls to automate
communication between server and client (Python).

EDUCATION

University of Canterbury, Christchurch — *Bachelor of Science, Computer Science Major, Game Development Minor*

February 2020 - June 2024

Achieved an average GPA of 5.89
Participated in ANZAC coding workshops and competitions. Member of
CompSoc.

PROJECTS

ezyVet Data Project— *Grafana Board*

This project was created so project managers could better understand the
grand scheme for the business. I was tasked with interpreting data, and
presenting it in a way they can understand, and better make informed
decisions. This involved choosing appropriate designs, SQL querying,
teamwork with 2 others, and time management on top of our normal
work duties, as well as communication between the Data team and Project
team.

SOFT SKILLS

- Communication
- Teamwork
- Independence
- Problem-Solving
- Time Management

INTERESTS

- Software Engineering
- Cybersecurity
- AWS Cloud
- Practitioning
- Video Game Development
- Travelling
- Data Engineering
- Remote Opportunities

TECHNICAL (IT) SKILLS

Tools and Skills:
Atlassian Tools, Visual Studio
Code, Visual Studio, Unity,
DBMS, DBeaver, PowerBI,
Visual Studio, Github/Gitlab,
Teamviewer, Django, Docker,
AWS, Slack, Agile
Development, Google Cloud,
Maya, OOP, Big Data
management, Database
Management. Industry
experience.

Languages and Technology:
Python, HTML, Javascript,
CSS, Python Django, C, C#,
Assembly, GML, MySQL, Java,
Linux command line, Spark,

PROJECTS - Continued

Te Whatu Ora Project — *Data Automation and Analysis board*

This project had me using tools such as the REST Api, Python scripting, PowerBI, and others. This was a fairly independent project, as I was simply continuing on progress a previous intern had made, as well as his notes, but nothing else.
The goal of this project was to analyse the issues and incidents around different sites, and present the data into a readable format. This was so the manager could better allocate his resources. The project code is available via my Github. In-depth link: 📄 Data project for ezyVet 2022-2023 SQL Grafana

Discord Bot - *Word counter and data collector*

This project was a fully independent one. To experiment with the Discord API, I created a local bot, and hosted it within my own server. Coding everything in python, I created a bot that can store information, recall information, and collect specific data depending on the internal peripherals, as well as call functions, login, etc.

Javascript Website - *Shopping Website and coding practice*

This was a joint project. I wanted to learn javascript, html, css, so I called a friend to help me create a website entirely using vanilla HTML, Javascript, CSS. This helped me understand web development, better understand IDE functionalities (VSC), API calls, and communication between parties.

Data Analysis Project - *Big Data manipulation*

This project was a test of my data analysis and transformation skills using Spark, RDDs, and other related big data methods. The goal was to sift through data based on criteria, ensure the performance was optimal, the values were accurate, and get a valuable takeaway from the output. This was all run on Google clusters, which we learnt how to use.

Python Django Website - *Framework practice.*

This was a project in which I put my Python skills to the test, as well as integrate all of my command line and HTML, CSS, Javascript skills. After completing an internship, I focussed on using Django to build a site for my CV. This played around with virtual environments, link handling, data management, etc. This is available via Github.

CONTACTS AND RELATED MEDIA:

Phone: +64 22 699 0332

Github: https://github.com/ItsTarras

Gitlab: https://eng-git.canterbury.ac.nz/twe36

Twitter: https://twitter.com/Smasher_That

Linkedin: https://www.linkedin.com/in/tarras-weir-851187233/

Email: tarrasweir@gmail.com

Games Portfolio: https://tarrasweir.wixsite.com/twportfolio