

ISABEL BODY

+6427 422 6676 | isabelbody@gmail.com | github.com/IsabelBody | linkedin.com/in/isabelbody

Final year student seeking experience in data science.

EDUCATION

University of Auckland, BS in Computer Science and Statistics | Auckland, NZ

Expected Graduation: June 2025

Courses: Statistical Modelling | Object Oriented Software Development | Software Development Methodologies |

Algorithms and Data Structures

July 2022 - Current

EXPERIENCE

EY Open Science Data Challenge Program, Machine Learning Developer | Remote

Dec 2023 - March 2024

- Directed team efforts, achieved top 20 (globally) in EY Open Science Data Challenge Stage 1.
- Developed a machine learning model with a 0.48 MAP score in assessing storm damage on residential and commercial areas.
- Utilized Python programming language and advanced libraries including TensorFlow and scikit-learn in Microsoft's Planetary Computer's Hub environment.
- Back-tested linear model for underfitting and overfitting across different thresholds.

Treasure, Software Engineer and Co-founder | Auckland, NZ |

Dec 2023 - April 2024

- Built an expense tracking software for University clubs.
- Delivered a web app in under three months with a PERN tech stack with HTTP request handling.
- Engineered to scale horizontally, supporting an increase in users by 5 times.

Biztech Society, PR Executive | Auckland, NZ

Jan 2024 - Current

- Generated significant sponsorship revenue: secured partnerships with industry leaders including Microsoft and KPMG, resulting in over \$5000 in investment and securing four guest speakers for events.
- Facilitated the re-brand towards a tech-focused direction, leading to the successful registration of approximately 50 tech students.

Achievements

3rd Place, ZURU Tech Case Competition 2023

- Secured 3rd place out of a highly competitive pool of applicants who advanced to the finals in the ZURU Tech Case Competition.
- Presented a 10-page business plan to judges, highlighting innovative strategies for ZURU Tech's entry into the smart housing industry.

SKILLS

Languages Python, JavaScript, Java, R, SQL, HTML/CSS, C#

Software React, PostgreSQL, MySQL, Node, Git, Express.js, OpenCV, Tensorflow, Pytorch, Azure, AWS, Pandas

Miscellaneous Data-modelling, Agile Methodologies, Project Management, Problem-solving, Documentation, Communication, Microsoft Office Suite

PROJECTS

Stock Market Prediction Model

2024

- Leveraged historical data and machine learning algorithms to estimate upcoming change in the US Stock market.
- Built using Pandas, numpy, and sklearn from public data on Yahoo Finance for the S&P 500.

Face-Analyser tool

2023

- Implemented an emotion, gender, and race detecting computer vision project using OpenCV and deepface Python libraries.
- Designed multi-threading algorithms to reduce network overloading issues by 96%, enabling real-time analysis of facial attributes.

Game Library App

2023

- Led the development of a comprehensive game library using MVVM design pattern, implementing Python with Flask and SQLAlchemy.
- Utilised Agile project management strategies, including creating timelines to ensure project milestones were met and facilitating strength-based delegation among team members.
- Implemented proxy rotation algorithm that uses resource consumption and HTTP request routing metrics to rotate proxies on a per thread basis to optimise parallel processing of HTTP traffic.