SEBASTIAN THOMAS

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📍 New Zealand

ABOUT ME

A data enthusiast looking to build his skillsets and work with a leading employer.

EDUCATION

University of Auckland	Bachelor of Engineering (Hons) / Bachelor of Commerce conjoint	2020 - 2024
Coursera	Google Data Analytics Professional certificate	2022 - 2023

ACHIEVEMENT AND AWARDS

Udacity & Bertelsmann Scholarship Challenge Finalist	Class Representative for two consecutive semesters	University of Auckland Business Accelerate program participant	Trusts Community Foundation Scholarship & Autex Cup	Microsoft Office World Championships national representative
2021	**2021**	**2020**	**2019**	**2017 - 2019**

TECHNICAL SKILLSETS

- Python
- R
- SQL
- Tableau
- Power BI
- Excel
- SAP Analytics Cloud

- HTML & CSS
- JavaScript
- Docker
- Java
- C
- Visual Basic for Applications

- Linux
- Jira
- BitBucket
- Git
- Microsoft Azure
- HuggingFace
- IBM & Google Cloud

PROFESSIONAL SKILLSETS

- Team Player
- Organisational & Communication Skills
- Strategic Problem-solving

- Self-motivated
- Diligent
- Highly-committed
- Growth mindset

PROJECTS

Cyclistic BikeShare Consulting & Analysis Project

- Part of the Google Data Analytics certificate capstone project
- Tasks completed include:
  - Collecting, cleaning, manipulating, finding interesting patterns and visualising BikeShare data in R
  - Creating an interactive dashboard with the analysis results on Tableau
  - Using results to consult and convey recommendations to the fictional client, Cyclistic, on what they need to do to increase the conversion rate of casual riders to members.
- Gained Google Data Analytics Certification

Book Analysis & Recommendation Project

- Participated in the Microsoft Student Accelerator Challenge 2021.
- Certified in Azure Fundamentals and Azure Data Fundamentals exams
- Tasks completed include:
  - Web scraping book titles and excerpts from the top 100 books in the Gutenberg Library
  - Cleaning the data and tokenising it to prepare it for machine learning
  - Training multiple predictive models to determine reading ease in a book
  - Evaluate the effectiveness of models and deploying them to Azure
  - Utilising the predictions to recommend appropriate books to high schoolers
- Passed and was offered an internship through the program.

PROJECTS

Housing Analysis Project

- Participated in the Microsoft Student Accelerator Challenge 2020.
- Tasks completed include:
  - Using an API to gather geographical data
  - Combining data collected and separating into train & test sets
  - Visualising correlations between features of the various houses
  - Training & evaluating predictive models using various metrics
- Developed a machine learning model that can, given certain features of a house, output the deprivation score, which is a measure of the socioeconomic status of that house

Woolworths N.Z. Efficient Truck scheduling Project

- Participated in a group project which involved developing an efficient truck routing solution for Woolworths N.Z.
- My contributions to the project include the following:
  - Analysing data for the demand at each store
  - Formulating a mixed-integer linear program (L.P.) model
  - Evaluating the quality of the route selection using simulations
- Achieved 90% for L.P. model and 100% for the written report

EXPERIENCE

Undergraduate AI Researcher   Beca (Nov 2022 - Feb 2023)

Beca is an independent advisory, design and engineering consultancy

- Utilising deep learning models from HuggingFace and fine tuning those with multiple datasets to paraphrase text and classify emotions within it.
- Creating scripts in Python with minimal bugs to clean gathered data, train the models and deploy the trained models into Azure.
- Utilising Data Analysis tools such as Power BI to create interactive dashboards.

Data Science Intern   Xtracta (Jan 2022 - Oct 2022)

Xtracta provides AI-powered OCR solutions for extracting data from documents

- Reviewing, preparing and manipulating data required for machine learning and data analysis processes through the use of SQL.
- Assisting in developing scripts in python and creating dashboards in Power BI to conduct analyis on collected data
- Assisting with the preparation of user documentation, manuals and non-technical documents.

Virtual Internship Consultant   AT (Jul 2022 - Jul 2022)

Auckland Transport (AT) is responsible for transport projects and services in Auckland

- Providing consultancy services for the client, Auckland Transport, and coming up with solutions to issues Auckland Transport faces in their daily operations.
- Participated in a team-driven environment and was challenged to find an effective solution to a traffic congestion problem without negatively impacting people within the vicinity.
- Providing detailed reports and a presentation of the final solution

Checkout Assistant   Pak'n'Save (Oct 2020 - Jul 2021)

Pak'n'Save is one of New Zealand's main supermarket chains

- Interacting with customers and assisting them with price discrepancies
- Working proactively with colleagues and supervisors to improve customer experience

Career Compass Participant   EY (Oct 2020 - Oct 2020)

EY is a leading professional services firm

- Invited to learn more about the career opportunities at EY.
- Participated in a team case study, learning about the benefits SAP S/4 HANA had to offer as a cloud-based ERP system and how EY could aid other companies transitioning towards it.

EXTERNAL LINKS

sebastian.thomas   derogative404   Credly Sebastian Thomas