Alfred Zou

ASPIRING DATA ANALYST

CAREER PROFILE

I am a Data Science graduate from General Assembly with nearly 2 years experience in the engineering industry.

To realise my passion for business intelligence, I took the leap into the field of data. I want to use data to help businesses make well-informed decisions.

SKILLS

Languages: Python

Data analysis: Exploratory data analysis (EDA), data cleaning, pandas, hypothesis testing

Data visualisation: Tableau

Database management: SQL, PostgreSQL, SQlite

Data collection: Web Scraping, APIs

Cloud: Google Cloud (GCP)

Machine learning: Regression, classification, NLP, neural networks, supervised

CONTACT INFORMATION

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EDUCATION

Data Science Immersive Graduate

General Assembly Sydney | Dec 2019 - Mar 2020

- Full-time 3 month intensive data analytics and science course on Python, data wrangling, web scraping, SQL and machine learning

Bachelor of Civil Engineering (Honours) and Commerce (Finance)

UNSW | 2012 - 2017

- Distinction average & 1st Class Honours

PROFESSIONAL EXPERIENCE

Project Engineer

Service Stream | Feb 2018 - Oct 2019

- Concurrently managed multiple projects with internal and external dependencies
- Managed engineering drawings, and conducted quality assurance and safety checks to ensure compliance to company and Australian standards
- Forecasted project deadlines based on project complexity and resources available
- Liaised with clients to develop strong rapport, communicate project risks and determine client priorities

DATA PROJECTS

COVID-19 Dashboard

- Extracted data from multiple sources including Johns Hopkin's GitHub for reported COVID-19 cases and deaths, and WHO reports and academic papers for medical capacity indicators
- Transformed and merged multiple data sources through python
- Developed a COVID-19 Dashboard in Tableau to visualise the spread of COVID-19 over time, assess the response between countries and visualise the medical capacity of each country through intensive care unit beds

Web Scraping Indeed

- Developed a robust web scraper to extract job title, salary, company, location, employment type and description from Indeed; collected over 700 data related jobs
- Trained a logistic regression model to correctly categorise 91% of data related jobs as either a data engineer, data analyst, business analyst or data scientist position