

Xuanle Zhou

Data Analysis Engineer

Male | Age: 30 | Guangzhou | 13710790488 | 531167584@qq.com

Experience

PureGlobal

Data Analysis Engineer Intern

2021.06 - 2022.01

- Developed a Python-based web crawler to collect and process medical data from countries including Slovakia, Germany, and Romania, integrating the solution into the company's SaaS data system.
- Independently developed new features for a smart customer service bot using AWS Lambda and Lex, deploying the enhancements to the production environment.
- Led a new business analysis project, collecting and analyzing clinical information from abroad to create the company's first Tableau-based competitive product report for a medical product line.

aidcloud.cn

Data Analysis Engineer

2022.10 - 2023.10

- Developed and maintained a smart analysis platform, which involved cleaning and processing medical data and optimizing statistical and machine learning algorithms.
- Conducted medical data analysis and research, with a focus on machine learning modeling, feature analysis, and supporting hospital researchers in outputting results.
- Engineered recognition functions with Python to automatically parse annotated medical and pathological images (e.g., DICOM and SVS formats).

Guangdong Publishing Group Digital Publishing

Data Analysis Engineer

2023.12 - present

- Developed and maintained over 6 BI dashboards in collaboration with product and business teams, optimizing performance to improve the user experience.
- Engineered ETL processes using Python and complex SQL queries to extract and clean terabyte-scale Event Tracking Data for the data warehouse. Designed data warehouse tables and resolved data correctness issues during synchronization and migration.
- Designed customized analysis reports and researched statistical models on metrics like retention rate, conversion rate, and usage rate to guide business decisions.

Education

University of Auckland

2015 - 2019

Bachelor of Science in Computer Science

Auckland University of Technology

2020 – 2022

Master of Computer and Information Sciences with honours(First Class)

Thesis: 'Development of Backpropagation Learning in Spiking Neural Networks for Classification of Spatiotemporal Brain Data'

Skills

Programming Languages: Python, SQL, Matlab

Data Tools & Libraries: Proficient in Python libraries (NumPy, Pandas, Scikit-learn) and data visualization tools (Tableau, Yonghong BI).

Cloud & Data Engineering: Experienced in using HUAWEI Cloud to build ETL pipelines, manage data synchronization jobs, and maintain data warehouse services.