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SUMMARY

Dynamic and detail-oriented Information Technology Specialist with a full understanding of the latest IT and business trends. Adept at developing and implementing analytical solutions, managing projects, and working in a collaborative environment. Proven track record in learning new technologies and applying them to solve real-world problems. Fluent in English and Mandarin, and passionate about leveraging data to drive business success and technological innovation.

SKILLS

- **Languages:** Python, Java, MySQL, MongoDB, R
- **Frameworks:** Vue 3, React, Nodejs, Docker, Tableau, Plotly, Flask, Streamlit,
- **Soft Skills:** Bilingual (English and Mandarin), Problem-Solving, Leadership, Analytical Thinking
- **Certifications:** Passed CFA Level 1, WorldQuant Brain Competition - GOLD LEVEL

EXPERIENCE

- **Sinolink Securities Co.** Shanghai, China
Quantitative Research (Full-time, Intern) Dec 2021 – Mar 2022
 - **Data Analysis:** Extracted and analysed stock data, developed XGBoost model for stock price prediction.
 - **Reporting:** Drafted and presented a Fundamental Quantitative Multi-Factor Model Report.
- **Zunjue Capital** Shanghai, China
Investment Research (Full-time, Intern) Apr 2021 – Aug 2021
 - **Market Research:** Supported real estate investments by conducting market research and data analysis.
 - **Data Visualization:** Used Python and Tableau for demographic and pricing trend analysis.

PROJECTS

Data Analytics and ML Projects:

1. **Data Analysis of Future Investment Potential in 20 Major Cities (China):** Conducted housing market research and data visualization to identify investment values. Tech: Python, Scikit-learn, Statistics, Tableau, Web Crawler, matplotlib. (August 2021)
2. **Multi-Factors Models predicting Stock Price:** Utilized Tushare and Wind API for data extraction and developed an XGBoost model for trend analysis, followed by backtesting. Tech: Python, Scikit-learn, Statistics, XGBoost, matplotlib. (March 2022)
3. **Dashboard - VicRoads Car Crashes:** Visualized crash data with Tableau, focusing on UI/UX design principles for map displays and data representation. Tech: Tableau. (Project Link, October 2022)
4. **Automated Fact Checking for Climate Science Claims:** Developed an automated model for fact-checking using BM25 and SimCSE for evidence retrieval. Tech: BERT, Neural Network, Pytorch, TFIDF. (Project Link, May 2023)

Software Development Projects:

1. **Java Project - Multi-user Shared Whiteboard:** Engineered a real-time collaborative whiteboard using Java and Gradle. Applied RMI, socket programming, and concurrency control. Architected system and designed UML. Tech: Java, Gradle, RMI, Socket Programming, Distributed System. (Project Link, October 2022)
2. **Data Mining - “Australian GPs”:** Scraped job information and designed a frontend layout with ReactJS Timeline. Tech: ReactJS. (Project Link, June 2023)
3. **Full Stack Project - “Game of Ethics”:** Enhanced UI using HTML/CSS, conducted front-end and back-end testing, resolved critical issues using mutex locks, automated admin tasks with OpenAI API, and developed on AWS for scalability. Tech: Python, VueJS, NodeJS, MongoDB, OpenAI, CI/CD. (Project Link, June 2023)
4. **Full Stack Project - Social Media Analytics on the Cloud:** Engineered a cloud-based analytics solution using UniMelb Research Cloud, Ansible, and Docker. Implemented data storage and analysis in CouchDB with MapReduce. Developed a Streamlit dashboard visualizing Australian life stories from social media data. Tech: Ansible, OpenStack, CouchDB, Streamlit, NodeJS. (Project Link, May 2023)
5. **Real Estate Project - “How’s Labours”:** Cleaned geological data and implemented a map visualization with property details. Tech: GEO, MongoDB, Python, VueJS, jQuery. (Project Link, October 2022)

EDUCATION

- The University of Melbourne**

Master of Information Technology - Artificial Intelligence

Courses: Information Visualization, NLP, Computer Vision, Machine Learning, Deep Learning, etc.

Engineering Foundation Scholarship

Melbourne, Australia

Jul 2021 - Jul 2023
- The University of Queensland**

Bachelor of Commerce - Finance; GPA: 6.88/7

Included Dean's Roll and CFA Student Scholarship

Brisbane, Australia

Jul 2017 - Jun 2021