

Anthony Chen Zhichao

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Summary

A proactive and detail-oriented individual with a keen analytical mind, I excel in the fast-paced tech industry, particularly in machine learning and software engineering. My robust problem-solving capabilities are matched by a rapid learning curve and a talent for juggling multiple tasks efficiently. With a strong foundation in algorithm development and data analysis, I am committed to driving innovation and delivering solutions that harness the power of technology.

Education

SIM – University of Wollongong
Bachelor of Computer Science (Big Data)

September 2024

Nanyang Polytechnic
Diploma in Business Informatics

April 2020

Technical Skills & Projects

Programming languages: C++, C#, Java, Python, R

Web Technologies: HTML, CSS, JavaScript, Typescript, React.JS

Big Data Technologies: Hadoop, Hive, Spark

Databases: MongoDB, SQL, Oracle SQL

Machine Learning Algorithms/libraries: Random Forest, Naïve Bayes, Decision Trees, SVM, Neural Network, Scikit-learn, TensorFlow, Keras, pyTorch, Pandas, NumPy, Matplotlib, Seaborn

UOW Final Year Project

For my final year project, I took on the role of a Full-Stack Engineer to develop a web-based platform offering stock market forecasting and recommendations, specifically for Singapore stocks. The platform accepts real-time stock market data through RESTful APIs, which is then analysed using advanced machine learning algorithms to forecast trends and predict stock prices. Additionally, the project includes sentiment analysis and provides AI-driven stock recommendations, with an API available for developers to access these features. The backend is built using FastAPI and MongoDB, while the frontend was developed using ReactJS and Tailwind CSS to create a modern and responsive user interface.

NYP Final Year Project

Developed an interactive game program aimed at enhancing children's reading skills using cutting-edge technologies, including AI facial recognition and speech recognition. Reading Buddy transforms learning into a fun and engaging experience, incorporating gamification elements. The project leveraged Python, SQL database, and AI frameworks and libraries such as OpenCV and TensorFlow.

Relevant Experience

Singapore Civil Defence Force
Section Commander
(Provost Unit)

February 2023

- Supervise a team of 16 NSF personnels making sure day-to-day operations runs smoothly.
- Carry out Routine Urine Tests on SCDF personnel for potential drug abuse.
- Collaborating with Central Narcotics Bureau (CNB) in the handling of drug abusers within SCDF.
- Analyse and prepare detailed statistical data with regards to the urine test fulfilment rate in SCDF.
- Attend Official SCDF Events to receive Commissioner, Senior Managements, Ministers, and VIPs.

NEC Asia Pacific Pte Ltd

March 2020

Technical Support Engineer

(Intern)

- Worked on a project with ICA Singapore for their border immigration biometric verification system.
- Identifying hardware and software solutions.
- Troubleshooting technical issues.
- Diagnosing and repairing faults.
- Resolving network issues.
- Support the roll-out of new software updates.