

TENGDA WANG

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EDUCATION

National University of Singapore, School of Computing

Singapore

B.S. (Honors) in Business Analytics (computing)

Aug 2017 to May 2021 (Expected)

- **Sample Coursework:** Design & Analysis of Algorithms, Data Structures, Software Engineering, Machine Learning, Natural Language Processing, Big Data System, Computer Networks, Computer Vision, Artificial Intelligence, Stochastic Process, AI planning
- **GPA:** 4.88/5.0 (3.93/4.0) **TOEFL:** 117 **GRE:** 335+4
- **Awards:** Dean's List in AY 2018/19 and AY 2019/2020

Northwestern University

Evanston, Illinois, U.S.

University Sponsored Exchange Program, Computer Science, 4.0/4.0

Dec 2019 to Apr 2020

- **Awards:** High Honours in Winter Quarter 2020

EXPERIENCE

School of Computing, National University of Singapore

Singapore

Undergraduate Research Assistant

May 2020 to present

- Worked on Abstractive Text Summarization on clinical notes (MIMIC-3) with Assistant Professor Vaibhav Rajan

Bank of America Merrill Lynch

Singapore

Summer Technology Analyst

Jun 2020 to Aug 2020

- Picked up AngularJS, Scala and Agile Software Development Principles in limited amount of time
- Built and deployed a user interface to assist the client onboarding processes and achieved automatic monitoring

Government of Singapore Investment Corporation (GIC)

Singapore

Data Science Intern

Jun 2019 to Nov 2019

- Implemented a recommendation system to support the investment decision-making of Portfolio Managers
- Trained Name Entity Recognition Model to extract entities from texts, in both English and Chinese, with an average F1 score of more than 0.85
- Designed database schema, built data pipelines and Flask microservices for data retrieval, storage and processing
- Devised, maintained and updated Tableau dashboards to visualize key analytical insights
- Developed a program to automatically backtest trading strategies and signals, pitched the findings to portfolio managers

School of Computing, National University of Singapore

Singapore

Part-time Undergraduate Teaching Assistant

Aug 2018 – Apr 2019

- Conducted face-to-face coaching sessions to a group of 3-4 students for 3 hours per week
- Reinforced concepts covered in lectures and helped students develop analytical and programming skills using R

PROJECTS

NUS Lighthouse

Full-Stack Developer

- An integrated visualisation web app developed using Vue.js, Highcharts, Firebase and Travis CI. The website provides analytical insights for NUS students to find self-tailored internships, research, and teaching opportunities.

Visionary

Machine Learning Engineer

- Worked in a group of 6 to deliver a voice guide app for the visually handicapped. It enables real-time object detection features built on top of YOLOv3 and triggers voice alert when pedestrians are approaching.

PredicT

Machine Learning Engineer

- Built a dockerized flask application to predict the trend of the given time series data. Tested the model deployment on Google Cloud Platform, Amazon ECR and Microsoft Azure.

Algorithmic Trading

Quantitative Developer

- Developed and deployed multiple ML models to predict the trends of the target currency pairs, including both their directions and scales. The output signals from the model are further utilized to make well informed decisions based on pre-defined rules.

SKILLS

Data Science

Python, Pandas, spaCy, Scikit-learn, Pytorch, Tableau, SQL, R

Software Development

Java, JavaScript, CSS, HTML, Firebase, AngularJS, Vue.js

DevOps

Docker, Kubernetes, Google Cloud Platform, Amazon AWS, Jenkins, Heroku

Languages

English (professional proficiency), Mandarin (native), Spanish (Elementary)

CO-CURRICULUM ACTIVITIES

Cluter Leader for University Hostels

- Organized various events and bridged between the residents and the management office.