Jet New

jetnew.io notesjet@gmail.com github.com/jetnew

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE
B.Comp. in Computer Science
Turing Research Programme
University Scholars Programme
Expected GPA: 4.50/5

COURSEWORK

Machine Learning ***Top Project***
Computer Vision ***Top Project***
AI Planning & Decision Making ***Top Project***
Natural Language Processing
Data Structures & Algorithms
Software Engineering
Research Methodology

SKILLS

Data Science
NumPy • Pandas • Matplotlib
Jax • PyTorch • TensorFlow • Keras
Lightning • TensorBoard • WandB

Software Engineering
Python • SQL • Java
Jupyter • Git • Anaconda • Docker
Spark • Hive • Airflow • Jenkins

ACTIVITIES

- AI Space x Google Developer Space
- NUS Statistics & Data Science Society **President**
- Google Developer Student Club
- Google Code in the Community
- University Scholars Club
- Advisory Singapore

OTHER PROJECTS

- Multi-agent RL Slime Volleyball
- NLP Question Answering Chatbot
- Probabilistic Modelling Framework
- Auto Algo Trading Platform
- Time Series Anomaly Detection

WORK

INDEED | Data Scientist (Offer Rescinded)
Jul 2023 - Onwards
- Offer rescinded due to layoffs impacting the entire Singapore office.

INDEED | Data Scientist Intern
May 2022 - Jul 2022 (3 months)
- Performed feature experimentation for the core match recommendation system, improving business-critical metrics for **300M job seekers**.
- Deployed a model to production through data pipelining, feature engineering, model training and online A/B testing using Spark, Hive, Airflow, Jenkins, etc.

NUS CLEAR LAB | Student AI Researcher
Nov 2020 - Apr 2023 (2 years 5 months)
- Researched reinforcement learning and graph neural networks, advised by Prof. Lee Wee Sun & Asst. Prof. Harold Soh.
- Wrote a survey paper on representation learning for reinforcement learning, and presented summaries on SwAV and Dreamer to lab members.

GRAB | Intern, Machine Learning Engineer
May 2020 - Aug 2020 (3 months)
- Developed a probabilistic modelling framework in TensorFlow for the dynamic pricing algorithm, including benchmarking and visualisation utilities.
- Presented at Singapore Google Developer Space.

IMDA | Executive (Machine Learning)
Nov 2018 - Jun 2019 (8 months)
- Developed and benchmarked an unsupervised time series anomaly detection algorithm that secured a **$500K deal** to deploy for 2 industry clients.

SELECTED PROJECTS

STRUCTURED MULTI-AGENT WORLD MODELS
Aug 2021 - Nov 2021
- Researched graph neural networks for multi-agent reinforcement learning, improving performance and planning accuracy.
- Awarded CS4246 Class Project Competition Winner out of 142 students.

AWARDS & ACHIEVEMENTS

2022	NUS Computing Term Project Showcase	Honourable Mention
2022	CS4243 Class Project	Top Project out of 50 students
2021	CS4246 Class Project Competition	Winner out of 142 students
2021	NUS SoC Student Awards	Silver (Achievement)
2021	Optigram Data Visualisation Competition	1st Runner Up
2021	University Scholars Programme	Honour Roll
2020	CS3244 Machine Learning	Top Student out of 272 students
2020	NUS Computing Term Project Showcase	1st Place out of 78 projects
2020	HackAsia Global Hackathon	Top 10 finalists out of 54 teams
2019	NTU iNTUition Hackathon	Best AI Hack out of 130 students