

JERVIS CHAN JUN YONG

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WORK EXPERIENCE

Student Researcher, Nanyang Technological University

Aug 2019 - Present

- + Studied generative adversarial networks and variational auto-encoders in applications on disentangled representation and explainable artificial intelligence.

Co-op Engineer, Advanced Micro Devices (AMD)

May 2019 - Aug 2019

- + Applied unsupervised machine learning methods to identify, label and classify defect patterns in silicon wafers, aiding in yield analysis.
- + Developed Python and Perl scripts for data cleaning and automation of visualization of test data.

PROJECTS

MOBLIMA Movie Booking

- + Developed console-based movie booking application on Java with object-oriented design principles.

UBS Quant Hackathon

- + Proposed sector rotation strategy implementation through use of a reinforcement learning algorithm (Proximal Policy Optimization) and trained reinforcement learning agents on custom stock trading environment built on OpenAI's Gym.

Singapore-India Hackathon

- + Won Top 10 in hackathon by developing a web application for epidemiology analysis in the context of poor data gathering of public health data in India.
- + Cleaned and visualized health data with Python libraries.

Rohde and Schwarz Engineering Competition

- + Performed top in Asia in predicting 5G bandwidth demand by using methods such as XGBoost.
- + Presented solution to an international audience and achieved highest score in international finals.

REHackathon

- + Won 2nd place in hackathon by prototyping an android application for online ordering of food with React-Native.

SKILLS

Python, SQL, R, C/C++, Java, JavaScript
Keras, PyTorch, Scikit-Learn

EDUCATION

Nanyang Technological University

Aug 2018 - Dec 2022 (Expected)

Masters in Technology Management, Bachelors in Computer Science, Minor in Mathematics

COURSEWORK

Computer Science

Computational Thinking, Data Structures, Algorithms, Object Oriented Design, Operating Systems, Software Engineering, Databases, Data Science and AI

Mathematics

Calculus, Linear Algebra, Probability and Statistics, Data Analysis with R

LEADERSHIP EXPERIENCES

University Delegate, Singapore Fintech Festival

Business Development Director, Blockchain @ NTU

Aug 2018 - Aug 2019

- + Led business development team in contacting potential partners or sponsors, such as Ethereum Foundation and Akomba, for event collaborations or research grants.
- + Managed school outreach and publicity for ETHSingapore (ETHGlobal), welcoming more than 100 participants from across the world.

Translation Team Leader, Tencent Qidian

Jan 2017 - Dec 2018

- + Led and managed twelve web-novel translation teams.
- + Translated Chinese webnovels to English, yielding more than 100 million views on the chapters.

AWARDS AND HONOURS

Finalist, TransferWise Coding Competition
Renaissance Engineering Programme Scholarship
A*STAR Science Award
National Youth Achievement Award