

Samuel Wong

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EDUCATION

NANYANG TECHNOLOGY UNIVERSITY

MSC IN TECHNOLOGY MANAGEMENT
Aug 2021 - May 2022 | Singapore

NANYANG TECHNOLOGY UNIVERSITY

BENGSC IN COMPUTER SCIENCE
Aug 2018 - May 2022 | Singapore
College of Engineering
Honours with Highest Distinction
Cum. GPA: 4.78 / 5.0

HWA CHONG INSTITUTION

Grad. Nov 2015 | Singapore
UAS: 90.00 / 90.00

COURSEWORK

UNDERGRADUATE COMPUTER SCIENCE

Data Structures
Operating Systems
Algorithms
Object-Oriented Programming
Software Engineering
Databases
Artificial Intelligence
Parallel Computing
Big Data Technologies
BUSINESS
Financial Management
Accounting
Marketing
Fundamentals of Management

SKILLS

PROGRAMMING

Proficient:
Python • Javascript
Familiar:
C • C++ • CSS • Java • Dart • Shell

FRAMEWORKS

Proficient:
TensorFlow • Keras • Django • Node.js
Express.js • Flask
Familiar:
Flutter • React • Bootstrap • PyTorch

EXPERIENCE

JANIO ASIA | SOFTWARE ENGINEER INTERN

Sep 2020 - Dec 2020 | Singapore

- Developed features using **Django** and **Elasticsearch** stack for core B2C team.
- Built and automated queries to Elasticsearch indexes using Celery.

TAIGER | ARTIFICIAL INTELLIGENCE ENGINEER INTERN

May 2020 - Aug 2020 | Singapore

- Implemented an **unsupervised question generation model** pipeline using machine translation for natural questions.
- Wrote APIs using **Flask** for key phrase extraction as part of the pipeline.

DSO NATIONAL LABORATORIES | MACHINE LEARNING INTERN

May 2019 - Jul 2019 | Singapore

- Worked on state-of-the-art natural language processing model (BERT) for Mandarin text Sentiment Analysis.
- Implemented deep learning model in both **TensorFlow** and **PyTorch** frameworks.

PROJECTS

PARKLAH! - PARKING APPLICATION FOR DRIVERS

ParkLah is a mobile/web application for drivers to find the cheapest available parking. Built with React and RESTful APIs built using Node.js.

PATHFINDING VISUALIZER | GITHUB

Built with React/React Hooks to visualize pathfinding and maze generation algorithms.

SEARCH RE-RANKING ANALYSIS | GITHUB

Performed analysis on search queries and article titles using BERT model and Tensorflow-Ranking.

CO-CURRICULAR & VOLUNTARY ACTIVITIES

VICTORY FAMILY CENTER | MAIN YOUTH AREA LEADER

Jun 2012 - Present | Singapore

Mentor and Counsel to over 80 youths aged 12-22 that are from different background. Plans and executes large scale events for about 500 - 800 attendees, leading departments in publicity and programs.

ELEVATE CONFERENCE | COMMUNICATIONS DIRECTOR

Jun 2018 - Dec 2018 | Singapore

Oversaw 4 departments (Publicity, Registration, International Hospitality and Merchandise) Saw 800 registered delegates and coordinated transportation and accommodation for over 150 international delegates.

AWARDS

2019	1 st /53	RE1017 Keppel Book Prize
2018	National	Renaissance Engineering Programme Scholarship