

Ching June Hao

Data scientist, Machine Learning

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EDUCATION & CERTIFICATIONS

- Bachelor of Computer Science (Hons) with Specialization in Data Science, Multimedia University, Malaysia. Class of 2020. CGPA 3.81/4.00.
- Machine Learning by Stanford University on Coursera. Certified in Sep 2017.
- Deep Learning, a 5-course specialization by deeplearning.ai on Coursera. Certified in Mar 2018.

EXPERIENCES

Machine Learning Engineer Intern - Coqnitics, Malaysia

Dec '17 – Dec '18

- Developed and deployed a RESTful API for end-to-end Malaysian License Plate Recognition solution using COCO-trained SSD MobileNetV2 (AWS EBS/S3/RDS, Python, Flask, TensorFlow, OpenCV, pytesseract, NumPy, SQLAlchemy, PostgreSQL).
- Developed an apparel style classifier with accuracy of 68% in 12 classes using pre-trained MobileNetV2 and SGDCClassifier for fashion RESTful API (Python, Keras, scikit-learn, NumPy).
- Developed a user authentication webpage (HTML5, CSS3, Python, Flask, SQLAlchemy, SQLite).
- Constructed complete documentation for all the RESTful API (HTML5, CSS3, Sphinx).

NLP Engineer (Part-time) - BotAhead, Malaysia

Jan '19 – Mar '19

- Built a data pipeline to automate the process of data collection, transformation and translation on Malaysian conversational language understanding. (Python, NLTK, MongoDB, BeautifulSoup, TextBlob)
- Developed a RESTful API for Malaysian Conversational Language translation. (Python, Flask)
- Developed a demo web page for Malaysian language (Malay's abbreviation + English's abbreviation) to English translation. (HTML5, CSS3, JavaScript)

HONORS & AWARDS

- Champion, Breast Cancer Detection using Histopathology Images Competition Malaysia. (April '19)
- 7th place, 2018 Global AI Meets Beauty challenge (Jul '18) — Group AI competition to match the real world beauty and personal care product to the given 500k images.
- Consecutive MMU Dean's List Award since enrolment. (Jun '16 - Present)

LANGUAGES & TECHS

- Programming Languages: Python, R, JavaScript, Java (Android), C++
- Tools and Frameworks: Git, Flask, TensorFlow, Keras, OpenCV, scikit-learn, Pandas, NumPy, Matplotlib, seaborn, OpenRefine, Dialogflow, Postman, Tableau
- Human: English, Chinese, Malay and Cantonese.

PROJECTS

- Crossword Puzzle System — A group project that focuses in building a crossword puzzle e-learning system to enhance the learning experience of students (Visual Basic, NodeJS, expressJS, PostgreSQL).
- TwitterBot — Auto retweet/favourite trending/non-trending tweets from time to time (Python, Tweepy).
- Operating System Scheduling Simulation — Using JavaScript to visualize the Operating System scheduling algorithms (Javascript).

ADDITIONAL EXPERIENCES

- **President** of IT Society in MMU (Jun '18 - Present) — The official club of Faculty of Computing and Informatics, MMU Cyberjaya. Improved the quality of subjects offered in faculty, the relation between students and faculty as well as supervising all the events organized by IT Society.
- **Mentor** of Southeast Asia A.I. CKATHON 2018 — 48-hour student-oriented Artificial Intelligence (AI) Hackathon organized by the University of Malaya, Malaysia.
- **Mentor** of Python Programming and Web Development workshops organized by IT Society.
- **Co-organizer** of VR Hackathon Malaysia 2018 — Organized and coordinated a national VR hackathon, attracted a total of 100 attendees from 12 different universities.