




TANG YI FONG


Computer Science Student

Aspiring Machine Learning Engineer with extensive experience in designing and implementing machine learning algorithms. My ability also extends to software development, as I am passionate to integrate it with AI capabilities to enhance the functionality and intelligence of software systems. I'm always eager to learn new technologies and stay up to date with the latest advancement and ever-evolving industry trends.

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EDUCATION

Bachelor of Computer Science (Honours) 2021–2024

Taylor's University Selangor, MY

- Upper Second Class Honours, WCGPA: 3.64/4.0
- Specialization: Artificial Intelligence ; Extension: Cyber Security
- Excellence Awards & Dean's List Awards
- Key Modules: Computer Vision and Natural Language Processing | Data Analytics and Machine Learning

WORK EXPERIENCE

AI Engineer Intern 2023

FPT Software LLC Hanoi, VN

- Designed and trained vision models tailored to client's requirements for object detection and recognition.
- Collaborated with globally distributed team to develop robust image processing pipelines.
- Led end-to-end development and deployment of computer vision workflow.

Software Engineer Intern 2023-2024

FPT Software Malaysia Sdn. Bhd. Kuala Lumpur, MY

- Designed Admin web application with ReactJS.
- Developed and implemented reusable user interfaces for SAPOT mobile application with React Native.
- Participated in Agile development methodologies, including sprint planning, daily stand-ups, and retrospectives to deliver high-quality software incrementally and iteratively.

VOLUNTEER EXPERIENCE

VorteXR Club

- Institute and Inaugurating the founding of the club.
- Spearheading Membership Drive initiative with a 70% recruitment retention.
- Spontaneously volunteering to assist in hosting various activities, from XR stage event logistics to AR and VR equipment setup.

SKILLS

Programming language & tools:

- (Python, Java, SQL), (HTML, CSS, JavaScript), (React, Flutter Dart, Firebase), (Git, Bash), (TensorFlow, PyTorch, Keras, OpenCV), (IBM Watson, Kaggle, Google Cloud Platform)

Technical expertise:

- NLP, POS Tagging, Named Entity Recognition, Sentiment Analysis, ML Classification and Regression Algorithms
- Object Detection, Image Classification, Semantic Segmentation, Image Captioning, Facial Recognition
- Concepts: Object-oriented programming, Agile SDLC.

Others:

- Multilingual: English, Chinese, Malay, Hokkien
- Personal Interests: Travel, Sports, Photography

CODING PROJECTS

NLP Sentiment Analysis Model Pipeline (2023)

- Developed with Tweepy API, Pandas, NumPy, Seaborn, Matplotlib, NLTK library, and Sklearn.
- Scraped total of 100,000+ tweets with #covid19 parameter, text pre-processing, NLP tasks, Feature Selection, Encoding, Insights Generation, and Statistical Analysis.

Ambicare - Fall Detection System (FYP 2024)

- Developed Java Android Native Mobile app
- Integrating wearable-based fall detection capabilities with WearOS for 3-axis accelerometer sensor programming.
- Integrating vision-based fall detection capabilities using PyTorch for model development.

COURSES & CERTIFICATION AWARD

Oracle Java Certified Foundations Associate

Huawei ICT Associate (HCIA) Datacom

AWS Cloud Practitioner

Salesforce Trailblazer Workshop

DUAL AWARD with University of West England, UK

EXCELLENCE AWARD Scholarship Recipient

DEAN LIST AWARD of total 7 out of 9 semesters