NGOC NAM TRAN

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LANGUAGES AND TECHNOLOGIES

Skills: JavaScript, ReactJS, HTML/CSS, NodeJS (1-2 years); React Native, ExpressJS, Python, MongoDB (1 year).
Exposure: SQL, Docker, .NET Core, Keras, Tensorflow, .Git, Cryptography algorithms (AES, DES,...).

EDUCATION

University of Wollongong
Master of Computer Science   *March 2021 - Nov 2022*

- In a team of 5, worked closely with professor to develop a classify waste mobile application and received a High Distinction score for the project.
- Coursework: Software Testing, Service-Oriented software, Modern Cryptography, Machine Learning.

University of Technology, Sydney
Bachelor of Science in Information Technology   *Jul 2016 - Nov 2020*

- Introduced to software development life cycle methodologies, including Agile, Waterfall and Iterative.

PERSONAL PROJECT

Pandemic web application | Github | Working link

- Developed a pandemic web application similar to ServiceNSW allowing users to register account, performing QRCode check-in, registering for positive Covid test result and contact tracing.
- Implemented a full-stack application using the MERN stack.
- Deployed web application using Docker and Amazon ECS.
- Implemented Google Map API for users to generate QRCode check-in with different location.
- Achieved 80/100 marks for the project.

Waste management mobile application | Github | Working link

- Developed a mobile application which allows users to scan for item barcode and instruct users which bin types the item belonged to, if the barcode is not available on the product, users can take a photo of the item and the machine learning model will predict the appropriate bin type.
- Designed the mobile application by implementing React Native, ExpressJS, NodeJS and MongoDB.
- Analysed over 22,500 images of organic and recycle waste combined using a classification deep learning model (CNN) with Tensorflow and Keras libraries.
- The machine learning model yields a result of 80% accuracy.
- Built a Python Flask server which receives user's photo requests and inputs to the model.

Tech blog website | Github | Working link

- Built and designed tech blog using ReactJS.

WORK EXPERIENCE

IT Technician
IP Supply | Lidcombe, NSW 2141   *July 2018 - August 2020*

- Installed the latest software and tested all networking equipments (including Cisco, Dell, Fortinet,...).
- Prepared and installed 7-10 lab kits per day (for CCNA, CCNP exam) and received 100% positive feedback from customers on eBay site.
- Troubleshoot product problems and suggest new products for customers via calls.
- Trained 5 members proficiently during the working period.

Kitchenhand crew member
McDonald's | Haymarket, NSW 2000   *Feb 2015 - March 2018*

- Worked in team of 5 members during peak weekend shifts, brought in ~$7,000 per night.
- Prepared orders and served each customer in under 5 minutes.
- Successfully trained at least 25 members during the working period.