

YAN QIAN, LIM (AMELIA)

Kuala Lumpur, MY ·

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Growth-minded and versatile recent Software Engineering graduate with a keen interest in AI and software engineering. My goal is to leverage my technical and analytical capabilities to design and develop innovative, data-driven solutions aimed at delivering seamless digital experience while maximizing business efficiency.

EDUCATION

Universiti Tunku Abdul Rahman

Kajang, Selangor

Bachelor Of Science (Hons) Software Engineering

Oct 2020- Jan 2023

- Grade: 3.72/ 4.00, First-Class Honours (with Distinction)
- UTAR Scholarship Recipient.
- Excelled in big data analysis, data mining and web development related coursework.

Tunku Abdul Rahman University College

Setapak, KL

Diploma in Science (Computer Science & Computer Mathematics)

May 2018- June 2020

- Grade: 3.96/ 4.0, First-Class Honours (with Distinction)
- TARUC Merit Scholarship Recipient, Assistant Course Representative.
- Excelled in software design, statistics and object-oriented programming related coursework.

EXPERIENCE

Ernst & Young Advisory Services Sdn Bhd

Damansara, KL

Technology Consulting Intern

Oct 2021- Jan 2022

- Part of a dedicated UX team delivering services for Microservices Project based on Agile principles for client from Utilities sector.
- Collaborated closely with team members to maintain wireframe, prepare training documentation, prototype copywriting and communications content for stakeholder reporting.
- Collated and analysed usability metrics across user journeys to identify user experience gaps.

Silver Lining Systems Sdn Bhd

Bangsar, KL

Project Management Intern

Feb 2020- Apr 2020

- Part of Project Management team for Cloud Infrastructure Project for client from Industrial Products and Services sector.
- Monitored project metrics and assisted on preparing weekly status report and steering committee presentation deck.
- Analysed and drafted change request for project stakeholders.
- Assisted in running and improving QA test case documentation for login, dashboard and server modules on in-house developed Cloud Operating System.

PROJECTS

Suicide Ideation Detection and Response System for Textual Social Media Posts

- Ideated and developed Flask web application that supports real-time prediction of tweets for my Final Year Project using Twitter API, Natural Language Processing and Machine Learning technique.
- Implemented end-to-end activities from model development, optimization to its deployment to Flask application with real time responses tailored to specific risk levels.
- Contributed insights discovery and performance improvements to existing machine learning approach at >86% across accuracy, recall and precision.
- 1/8 projects shortlisted for University's internal poster competition, participant for IEEE 2022 FYP Competition, shortlisted for university-wide competition for Best Community Project.
- Published an [international conference paper](#) on SCOPUS indexed platform.

College Management System Analysis

- Designed and developed workflow for ETL operations for College Management Java System source code data using Scala and Databricks.
- Conducted analysis to provide insight on source code metrics.

California Traffic Data Analysis

- Designed and developed NoSQL Database for 9GB of California highway patrol data using MongoDB for improved data processing performance.
- Aggregated data using MapReduce outlining trends and critical aspects in traffic accidents to highlight actionable insights.

Pastry System

- Built dynamic e-commerce web application using Laravel following MVC patterns with implementation on role-based access control.

SKILLS

- **Languages:** Python (NumPy, Sckit-learn, Flask, NLTK), Java, PHP, JavaScript
- **Front End Development:** HTML, CSS
- **Framework:** Flask, Laravel, Hadoop, SDLC, Agile, DevOps practices
- **Database:** SQL (MySQL), NoSQL (MongoDB)
- **Tools:** Visual Studio Code, Jupyter Notebook, Eclipse, Databricks, Git
- **Spoken Languages:** English (MUET Band 4.5), Mandarin, Bahasa Melayu, French

REFERENCES

Available upon request.