Bing Yu Yap

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EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY
B(Sc) Computer Science
School of Computing and Information System
Cum. GPA: 4.0+ / 4.0
Year 1 Sem 2 GPA: 4.15 / 4.0

COURSEWORK

UNDERGRADUATE
• Object-Oriented Programming
• Programming Fundamentals
• Database Management Systems
• Computer Hardware and Embedded Systems
• Statistical Thinking for Data Science
• Discrete Mathematics for Computer Science
• Interactive Design and Prototyping

SKILLS

PROGRAMMING
Over 5000 lines:
Java • Python • C • Ruby on Rails
Over 3000 lines:
SpringBoot
Other:
MySQL • PostgreSQL • GraphQL • LaTeX
Version Control:
Github • Git
Data Visualization:
Tableau • Python with MatPlotLib and Seaborn
Machine Learning:
Python with Numpy and Pandas, Scikit-learn, Keras and Tensorflow
Wireframing:
Figma

MISC

INTEREST GROUPS
• Talent and Growth Director, SMU Business Intelligence and Analytics
• Senior Data Associate, SMU BIA Data Associate Programme
• SMU WhiteHats
• SMU BioMetrics

AFTERCLASS Backend Lead Engineer
Feb 2020 – Present

- AfterClass.io is a superapp for students in college.
- Worked closely with the frontend and UIUX team to plan the project and product features.
- Designed and implemented the database for the web application.
- Implemented login feature with JWT Refresh Token authentication on the backend.
- Led the effort to build a feature that allows users to leave reviews for professors and courses in their university, which acquired 2000+ users and 5000+ reviews in the span of 2 weeks.

SMU BIA TALENT AND GROWTH Talent and Growth Director
Apr 2021 – Present

- Organized a 5-week programme to facilitate the polishing and deployment of the machine learning / deep learning models built in 6th Data Associate Programme.
- Planned and conducted a workshop on StreamLit deployment for Machine Learning models using AWS EC2 and AWS Lambda.

SMU BIA DATA ASSOCIATE PROGRAMME Data Associate
Dec 2020 – Present

- Data Associate Programme is a specially focused programme for students who are interested in Data Analytics / Data Science.
- Wrote Web Scraper with BeautifulSoup to scrape programming languages and repositories on GitHUb.
- Implemented various machine learning models for the programming language detector.
- Implemented deep learning neural network using Tensorflow and Keras as an alternative to the Sci-kit learn models.
- Deployed a dockerized Streamlit application that allows user to input code for language detectiong on AWS EC2.

PSA PORTNET APP

- Worked with PSA Corporation Ltd to build a Client-Server Vessel Schedule Tracking Application on Spring Boot with Java and MySQL.
- Wrote over 3500 lines of code for the backend side of the project using Java.

GOOGLE DSC CHALLENGE 2021

- Designed and developed ArkAngel, a telegram bot to increase women's safety in developing countries.
- Worked in a team to create the user scenario and use case for the product.
- Worked with a team of undergraduate students to develop a minimal viable product as a proof of concept.

CERTIFICATIONS

Year	Score	Certification
2021	93/100	Oracle Certified Foundations Associate, Java
2021	85/100	Tableau Desktop Specialist Certificate
2020	95/100	Goethe Institut A1 Zertifikat