Tri Pham

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EDUCATION

KINGS COLLEGE LONDON
2021 – Present
MSci in COMPUTER SCIENCE

PETER SYMONDS COLLEGE
2019 - 2021
A-levels
4 A*s: Maths, Further Maths, Computer Science, Physics

COURSEWORK

UNDERGRADUATE
Data Structures & Algorithms
Operating Systems
iOS App Development
Database Systems
C++
Scala
Computational Models
Computational Logic

SKILLS

PROGRAMMING
Experienced:
- Python
- Java
- Dart

Intermediate:
- Scala
- Swift
- SQL
- NoSQL
- HTML

Familiar:
- Javascript
- C++

PROJECTS

FUWA FUWA STOCK MANAGEMENT APP
Aug 2023 – present
- Developed and launched a multi-platform app to optimize inventory tracking and stock management across all 4 London locations.
- Architected the app using Flutter framework for cross-platform support on iOS and Android.
- Integrated Firebase as the real-time cloud database.
- Designed intuitive interfaces for 20+ management store staff to quickly update stock counts of over 100 items during daily inventory checks.
- Automated syncing between app and backend database.

LYRICSYNC – M.L-BASED SONG RECOMMENDATION
Sept 2023 – present
- Curated a dataset of over 50,000 songs labelled across 8 genres to train an NLP machine learning model for text classification.
- Constructed a neural network model using TensorFlow to analyse song lyrics and classify musical genres with 80% accuracy.
- Integrated the Spotify API into the app backend to use the extracted genre to receive song recommendations from Spotify's library of over 100 million tracks.
- Created using Flutter framework to allow multi-platform access.

RESUME WEBSITE
Sept 2023 – present
- Constructed & launched a personal portfolio website to showcase personal projects and skills to potential employers or collaborators.
- Hosted the static site on Vercel for serverless deployment and continuous integration.
- Built using Sveltekit and Tailwind CSS to allow for flexible customisation of all design elements.

OPTIPLAN – SMART SCHEDULE PLANNING
Oct 2023 – present
- Developed a mobile app to help users plan and optimize their daily routines and tasks more efficiently.
- Implemented a machine learning model that analyses the user's past routines and habits to provide personalized recommendations for new activities or optimal timing for existing tasks.
- Integrated the CityMapper API to automatically check commute times and suggest the best time for the user to leave for their next activity based on real-time transportation and traffic data.

STRENGTHS
- Problem solving: strong analytical & critical thinking skills enable me to break down & process complex technical problems
- Decision making: I ensure to collect information from different perspectives to quickly to make sound, logical decisions
- Communication & team skills: Having had leadership roles & worked in team projects previously, I am adept at collaborating.