Vu Truong

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EDUCATION

University of Southern California – *Viterbi School of Engineering* Aug 2021 – 2023
Los Angeles, CA
- **Degree**: Master's in Applied Data Science
- **Award**: Vingroup scholarship – Data Science program

University of Science and Technology of Hanoi Aug 2017 – Jan 2021
Hanoi, Vietnam
- **Degree**: Bachelor's in Information and Communication Technology
- **GPA:** 3.7/4.0 | **Class rank:** 02/53
- **Courses**: Machine Learning & Data Mining, Probability & Statistics, Calculus, Linear Algebra, Natural Language Processing, Basic Databases, Advanced Databases, Algorithms & Data Structures, Discrete Mathematics, Software Engineering

WORK EXPERIENCE

Android Developer Intern Apr 2020 – Aug 2020
FPT Software Hanoi, Vietnam
- Programmed 10+ UI screens of a healthcare application for approximately 10000 users in Singapore
- Reduced 2% of the boilerplate code and improved readability by implementing data binding
- Ensured applications' consistent performance by maintaining core UI components designs
- Collaborated with 9 team members and communicated with the project manager to deliver results after sprints

PROJECTS

Spotify Playlists Analyzer – *Personal project – [Github](#)* Oct 2021 – Present
A project to match two users' music tastes based on their Spotify playlists
- Acquire users' playlists, audio features, lyrics from Spotify and Genius
- Conduct quantitative analysis and create 10+ visualizations to derive insights from 2 playlists
- Generate recommendations based on the audio features and genres of users' playlists

CS:GO Round Winner Classifier – *University of Southern California – [Github](#)* Oct 2021 – Present
A project to predict the round winner of a Counter-Strike:Global Offensive match
- Perform exploratory data analysis and data preprocessing on a tabular dataset with 97 features
- Train and validate 4+ models using classification algorithms such as Random Forest and XGBoost
- Obtain an accuracy and F1-score of 0.868

Medical Emergency Response Application - *FPT Software – [Report](#) – [Github](#)* Apr 2020 – Aug 2020
A mobile application to display nearest hospitals, first aid guides, and users' medical information
- Crawled more than 100 hospital names and obtained detailed information with Google Place API
- Developed an Android application using Model – View – ViewModel architecture, Android Room Database (SQLite), and User Interface components
- Implemented Firebase Authentication to verify and secure users' information and stored the collected data with Firebase Realtime Database (NoSQL)

Tourist Trace Tracker - *University of Science and Technology of Hanoi – [Report](#) –[Github](#)* Oct 2019 – Jan 2020
A mobile application to collect coordinates from tourists to discover their patterns and improve the travel experience
- Supervised the workflow and progress of a 5 – member team
- Implemented Google Maps API to collect coordinate data of users

TECHNICAL SKILLS

Languages: Python, Java, SQL, R, Javascript,
Libraries: Numpy, Pandas, scikit-learn, Matplotlib, Seaborn, BeautifulSoup, Plotly, Scrapy, Spotipy, Android development libraries (Room, Retrofit, Gson, Picasso, Material UI components), Bootstrap
Tools: Tableau, Android Studio, Firebase, Git, Hugo, Netlify, Jupyter Notebook, Protégé