Tran Phat Dat

CONTACT INFORMATION

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INTRODUCTION

A final-year student with experience in Web Development, Project Development and Machine Learning. Possesses a strong understanding and interest in algorithmic topics and complexity optimization. Proficient in software development processes.

ACHIEVEMENTS

- 04 times term scholarships
- Being nominated for Acecook Scholarship Program and winning Scholarship 2021
- Exchange Student in Malaysia (18/7/2023 - 22/07/2023)
- 01 scientific research (Research group leader)

EDUCATION

- Can Tho University - Can Tho city (September 2020 - December 2024)
- Major: High-Quality Information and Technology
- **GPA: 3.55/4**

CORE COMPETENCIES

- Programming Language: C/C++, Python, PHP, Java, JavaScript
- Framework: ReactJS, .Net Core, NodeJS, VueJS, Tensorflow, Pandas, Keras, OpenCV
- Experience working with MySQL, SQLServer, Oracle, Heroku
- Experience with version controls tools: Git, Docker (Jenkins)
- Good knowledge of Project Management, Database, Design and Analysis of Algorithms, Math of Computer Science, OOP, System Analysis & Design.

TARGET

Continuously accumulates knowledge and practical experience in software development workflows, web development, and machine learning applications across various domains, with the aim of leveraging these skills for advancing my future career.

SCIENTIFIC RESEARCH

English learning support system based on recommendation algorithms	
Description	Develop an English learning support system based on recommendation algorithms to introduce suitable tests to users, contributing effectively to assist users in studying and preparing for the National High School Graduation Examination in English.
Source	https://github.com/phatdattran2k2/Scientific-Research
Contribution	• Conduct English document collection and MySQL database construction. • Design system functionalities and intuitive interface diagrams. • Implement recommendation algorithms. • Perform testing, analysis, and product quality evaluation. • Finalize the English learning support system and deploy it into application.
Algorithms	Collaborative Filtering
Technologies	MySQL, ReactJS, Laravel
Language	PHP, Java, JavaScript
Team Size	5 members **(**Research group leader)
Duration	7 months (4 – 10/2023)

PROJECTS

Search and Object Localization System in Urban Areas (Smart City)	
Description	Searching for objects (people, objects, vehicles, ...) based on user-provided descriptions by extracting from images from video recorded by cameras, which can be applied to identify offenders, lost individuals, locate missing vehicles, …
Source	https://github.com/phatdattran2k2/Smart-city
Contribution	Research group leader
Technologies	Django
Language	Python
Team Size	2 members

Predictive Model for Customer Churn in Telecommunication Networks (Churn Prediction)	
Description	Building a predictive model for predicting users' telecommunication network churn probability based on three algorithms: KNN, Decision Tree, and XGBoost with accuracies of 97.453%, 96.398%, and 97.702% respectively.
Source	https://github.com/phatdattran2k2/Churn-Prediction
Algorithms	KNN, Decision Tree, XgBoost
Language	Python

Coffee Shop Management System	
Description	The project aims to create a website to assist café managers in managing various functions such as: logging in/logging out, viewing customer information, viewing/adding/editing/deleting employee information, viewing/adding/editing/deleting beverages, viewing overall revenue statistics, and analyzing the best-selling items...
Source	https://github.com/phatdattran2k2/Coffee-Shop-Management-System
Technologies	MySQL, NodeJS, ExpressJS, Axios, VueJS
Language	JavaScript

REFERENCE

Exchange Student in Malaysia

Ph.D Ngo Ba Hung (nbhung@ctu.edu.vn) – Vice Principal of College of Information and Communication Technology – Can Tho University

Scientific Research

Assoc. Prof Nguyen Thai Nghe (ntnghe@cit.ctu.edu.vn) - Dean of the Faculty of Information Systems - College of Information and Communication Technology – Can Tho University

Churn Prediction

Ph.D Tran Nguyen Minh Thu (tnmthu@ctu.edu.vn) - Dean of the Faculty of Computer Science - College of Information and Communication Technology – Can Tho University