Duc Anh Bui

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uiucanh.github.io

EDUCATION

UNIVERSITY OF NOTTINGHAM

2017-2018
Master in Computer Science with AI, 1st

2014-2017
Bachelor in Mathematics and Economics, 2.1

ABBEY COLLEGE

A Level
Mathematics (A), Further Mathematics (A*), Economics (B)

LINKS

Personal Website:// **uiucanh**
Github:// **uiucanh**
LinkedIn:// **duc-anh-bui-b58521171**

SKILLS

PROGRAMMING

Python • Java • C# • R
SQL • HTML • CSS • PHP
Javascript

MACHINE LEARNING

Numpy • Pandas • Scikit-learn
SciPy • TensorFlow • Keras

TOOLS

VSCode • GIT • MySQL
Matlab • Microsoft Office
Flask • Django • ASP.NET Core
Node.js • MongoDB • Jupyter Notebook

ACHIEVEMENTS

• International Orientation Scholarship
• Participant of JENESYS student exchange program
• Third place at district chess tournament

EXPERIENCE

HOUSING ANYWHERE | Data Scientist

January 2019 – Present | Rotterdam

- Responsible for researching a deep learning approach to assessing image quality on the platform.
- Developing the second version of the platform price prediction back end model.

HOUSING ANYWHERE | Data Scientist Intern

July 2019 – December 2019 | Rotterdam

- Validate assumptions brought forward by the product team and other stakeholders using product data analysis. Performed investigation on a flaw of the platform search system.
- Work and validate models for suggesting similar rooms/apartments based on the user's shown preferences and actions on other listings.
- Development of a new version for the platform online fraud prevention system by cleaning data and employing Natural Language Processing technique. The new version achieves a 20% increase in precision, ensuring no scams slip through.
- Assisting with building a CI pipeline for the fraud detection model using Docker, Kubernetes and Google Cloud Platform.
- Improving the platform message sanitizer via leading a text annotation project. Identifying how customers are sending contact information within the platform. Implementing a new version of the sanitizer in Go, achieving a 40% increase in recall and generate additional 4k in revenue per month.
- Improving the platform existing image recognition algorithm, leveraging Machine Learning to achieve a 15% increase in overall precision.

VIETNAMESE SOCIETY | President

2015 – 2016 | Nottingham

- Provided support, advice and guidance to the other committee members throughout the academic year.
- Improved the society image through setting up new and exciting society trips.
- Successfully hosted a Chinese New Year performance show that consists of over 200 guests.

PROJECTS

MACHINE LEARNING DISSERTATION | Python

- A 20,000 words dissertation involves tackling the problem of predicting the outcome of a match in the popular multiplayer video game Dota 2. Various classification models were applied to build a recommender system.
- Obtained a higher prediction accuracy compare to previous studies by performing intensive data preprocessing and feature engineering. Achieved a grade of 77%.