Phat Minh Dang

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https://phatdang1.github.io

PROFESSIONAL SUMMARY

Dedicated employee familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Advanced understanding of statistical, algebraic, and other analytical techniques. Highly organized, motivated, and diligent with significant background in Computer Science and Data Science.

WORK HISTORY

AI RESIDENT INTERN | 05/2022 to Current

Apziva

- Honing the data science skills by working closely with industry expert mentors.
- Developed a robust machine learning system with high accuracy and precision.
- Working with a dataset with 40,000 observations.
- Identified important features influencing customers' decision to commit.

PATENT EXAMINER | 06/2021 to Current

United States Patent and Trademark Office - Alexandria, Virginia

- Reviewed U.S and foreign Artificial Intelligent patent applications to ensure compliance with federal regulations and law.
- Gained AI knowledge through the new and innovative ideas of the inventions.

SOFTWARE DEVELOPER INTERN | 08/2020 to 06/2021

Nexus 8 International - Washington DC, VA

- Build a communication platform for physician to collaborate and helping each other
- Developed an online question and answering for physicians to collaborate (Hippra.com) using ASP.NET Core, Azure, C#, HTML, JavaScript, Bootstrap, Angular JS programming language.
- Gained systems engineering experience by leading architecture designed, review, and execution of the feature
- Honored and rewarded by the CEO for exceptional work.

COMPUTER SCIENCE INTERN | 05/2019 to 09/2019

AICR - Arlington, Virginia

- Build a neural network to predict the likelihood that a person will make a donation to support research on cancer.

- Prepared data for training the machine learning model.
- Selected, trained, and evaluated machine learning model using (Keras, Python, Scikit-learn, NumPy, Pandas, Random Forest Classifier, Neural network
- Saved AICR more than 70% of money that they usually spend on donation request letters.

SKILLS

- Programming: Java, JavaScript, Python, C, C++, C#, .NET, MATLAB, Fortran, R, OOP, HTML, CSS, Bootstrap, Angular JS, Linux
- Critical and Creative Thinking
- Online Databases
- Component Debugging
- Good Communication Skills
- Quick learner
- Time Management

EDUCATION

George Mason University - Fairfax, VA | Bachelor of Science
Computer Science, Computational And Data Science, 12/2020
- Dean's List Honoree
- Honor Roll

Northern Virginia Community College - Annandale, VA | Associate of Applied Science
Computer Science, 12/2016
- Dean's List Honoree
- Richard D, Pathway to the Baccalaureate Community Service Scholarship Recipient
- Honor Roll

PROJECTS

Happy Customer (Industry project)
- predicted customer's happiness based on review and feedback (delivered time, order, product, price, courier, and ordering process satisfaction)
- Used a feature selection approach.
- Evaluated data across classification models.
- Visual Studio Code, Python, Scikit-learn, NumPy, Pandas, Random Forest Classifier, K-Nearest Neighbor

Term Deposit Marketing (Industry project)
- predicted if the customer will subscribe to a term deposit given data comes from direct marketing efforts of a European banking institution
- Prepared data by encoding categorical variables.
- Evaluated data across classification models.
- Performed K-Fold Cross Validation.
- Visual Studio Code, Python, Scikit-learn, NumPy, Pandas, Random Forest Classifier, K-Nearest Neighbor, Decision Tree, Multi-layer Perceptron classifier.