Cao Tat Cuong
AI Engineer Intern

Phone: 0828452340

Address: Linh Trung, Thu Duc, Ho Chi Minh

Email: cuong091200@gmail.com

LinkedIn: https://www.linkedin.com/in/cao-tat-cuong/

SUMMARY

I want to expand my knowledge about Machine Learning Algorithms, Image Processing Techniques. In addittion, I am interested in applying Machine Learning techniques on non-traditional fields (measurement, robotic, etc) to make high impact products.

TECHNICAL SKILLS

- **General**:
  - Machine learning
  - Deep learning
  - Data mining
  - Data visualization
  - Image processing
- **Programming Languages**:
  - C++
  - Python
- **Mathematics:**
  - Linear Algebra
  - Probability and Statistic

- **Frameworks/ Platforms:**
  - Scikit-learn
  - PySpark
  - TensorFlow/Keras
  - Pytorch
- **Database Systems:**
  - MS SQL Server
- **Version Control:**
  - Git
- **Soft Skills**:
  - Time management
  - Teamwork

EXPERIENCE

Due to the fact that I am a third-years strudent. I do not have any experiences in field of information technology. So I hope that I could have an opportunity to gain more job experiences in your company.

EDUCATION

Vietnam National University Ho Chi Minh City - University of Science

- Studying Computer Science.   9/2018 - Present
- Degree grade: GPA 8.61 (2.5 years)

Plant pathology classification

Description	This competition will challenge to distinguish between leaves which are healthy, those which are infected with apple rust, those that have apple scab, and those with more than one disease.
My responsibilities	Exploring, preprocessing and auguments data. Using Pre-Trained Models for Image Classification such as: EfficientNet, EfficientNetB4, Resnet50, Resnet50V2
Technologies	Tensorflow, Keras
Result	The score when using voting method 4 models is 0.95. See project

Predict patient charges

Description	Analyzing the main factors that affect patient charges and and predict it based on those factors.
My responsibilities	Data analysis, visualization, preprocessing, modeling and fine-tunning with Ensemble model.
Technologies	Pandas, Sklearn
Result	With Random Forests, RMSE on train set is 4456, test set is 4495. See project

Predicting the Survival of Titanic Passengers

Description	A classification approach to the machine learning Titanic survival challenge on Kaggle This project had a heavy focus on the data preprocessing.
My responsibilities	Data analysis, preprocessing, modeling with Pyspark.
Technologies	Pyspark
Result	Score on Kaggle: 0.79186. See project

ETL, visualize with SQL and Power BI

Description	Build a complete process of data processing and analysis. Customers have data but are storing it in Excel files, we need to build a complete process to be able to analyze and store data for customers.
My responsibilities	Writing stored procedures to data transformation, integration and using Power BI for visualization.
Technologies	SQL, Python, Power BI
Result	ETL data and creating a dashboard for data analysis. See project

Predicting Covid 19

Description	Using some supervised learning algorithms to predict new cases Covid 19 next day in the US.
My responsibilities	Understanding data science process, data analysis, data preprocessing. Applying some basic Machine learning models.
Technologies	Pandas, Sklearn
Result	R2_score is 0.8279 on test set. See project