Nguyen Danh Nam

LinkedIn — Github

Email : namnd2802@gmail.com
Mobile : +84.971.814.225

SUMMARY

I am interested in Machine learning, Data Science, Natural Language Processing, Modern Data Architecture and Cloud Computing (AWS). My goal is to become an excellent programmer, applying technology to improve the quality of our lives.

EXPERIENCE

- **Pionero JSC** — Hanoi
  Machine Learning Engineer - Full time — *April 2021 - present 2022*
  - **Water flow control system:** Main responsibility for planning, building system design and development of functions: Hypothesis testing, Flow rate prediction, processing signal from IoT device for saving and prediction (MQTT protocol), system design (using AWS service), dashboard.
  - **Image colorize:** Be responsible for research, make solutions, and complete the PoC of image coloring system based on an improvement of an existing paper.
  - **SSO:** Develop account management services with AWS Serverless service.Be responsible for API development, database design, infrastructure building, monitoring. Techstack: Cloudformation, CI/CD, DynamoDB, AWS Lambda, Keycloak, ...
  - **Social listening:** Collect data from twitter and answer sheets, analyze by emotional frame STAR.
  - **Pionero Demo:** Building demo projects to demonstrate the company's technological strength, for sales: face emotion recognition, chatbot (Rasa), face recognition and monitoring system for webservice.
  - **Techstack at Pionero:** AWS service: IoT core, Kinesis, S3, EC2, ECR, Lambda function; Monitoring (Prometheus, Grafana); Deep Learning framework: Pytorch, Keras, Sklearn

- **Viettel Big Data Analytics Center - DAC** — Hanoi
  Data Scientist - Full time — *July 2020 - Mar 2021*
  - Be responsible for choosing, developing ML models at telco projects to boost campaign performance. Include app traveling, up-sell specific services, recommender systems,... Algorithm range could be traditional ML (tree-based, SVM, KMeans, PCA,...) or Deep learning (MLP, Deep factorization machine, word2vec, CNN, RNN,...)
  - Optimizing models, data processing, feature engineering process, performance and speed boosting.
  - Data processing and preparation, build ETL data flow (on pentaho kettle) for data preprocessing.
  - Optimizing for model development process, AutoML, reduce ML development effort while improve performance.
  - Familiar tools: Python (pandas, numpy, sklearn, ...), Tensorflow, Pyspark, SQL (Hive, MySQL), Spark/Hadoop Ecosystem.
  - **Project:** Potential customer (app MyVT), Voucher classification, Voucher recommendation system, Product Selection (Onme)

- **Ftech CO., LTD** — Hanoi
  NLP Engineer - Intern — *Sep 2019 - Dec 2019*
  - **Babe bot:** Building a virtual assistant to support customer care for stores, e-commerce sitesm etc...
  - **Womie bot:** Building chatbot to support meeting room management, work report management.
  - Building Deep Learning model for Language Understandings tasks.

- **VCCorp** — Hanoi
  NLP Engineer - Intern — *Aug 2019*
  - Learn and implement about basic problem in Natural Laguage Processing: tokenize, part of speech, named entity recognition, summarize, ... and machine learning
  - Building keyword extraction model for news

- **Hanoi University of Science and Technology** — Hanoi
  Information System - ICT - Student — *Oct 2016 - Jan 2021*
  - Study how computers work, write software, and learn about data structures, classical and evolutionary algorithms.
  - Main members in major exercises in algorithms, artificial intelligence, machine learning / deep learning. exercises: Text Classification, Sentiment Analysis, NER, POS, Tokenizer, Text Summarization, Web Crawler, Information Retrieval, Machine Learning from scratch, Add Tone, etc.

EDUCATION

- **Hanoi University of Science and Technology** — Hanoi
  Engineer's degree; Information System - Information Technology of SoICT — *Oct 2016 - Jan 2021*

Skills

- Algorithms, Data Structures, Fundamental computer science.
- Machine learning, Deep learning, Natural language processing, Data Science, Crawl Data.
- Languages: Python, Javascript (NodeJS), Java (basic), SQL, Latex.
- AI frameworks: Pytorch, TensorFlow, Scikit-learn, Keras, Rasa framework, Spacy, MeCab, Spark/Hadopp ecos, Pyspark, etc.
- Technologies: Flask, Git, Linux, Scrapy, Docker, MySQL, AWS (Serverless, DynamoDB, SNS, SQS, ...), Monitoring (Prometheus, Grafana).

Achievements

- **The Tech Savvy at Pionero JSC.** - Jan 2022