Ta Duy Hoang

https://github.com/duyhoangptit/duyhoangptit

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EDUCATION

- **Posts and Telecommunications Institute of Technology** — HaNoi, VN
  Software Engineering; GPA: 2.6 — *Aug. 2012 – Dec. 2016*

EXPERIENCE

- **FPT Software** — Hoa Lac, Thach That, Ha Noi, VN
  Senior Software Engineer — *Oct 2017 - Present*
  - **Microservice**: TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models. Worked on APIs and performance for training models on Tensor Processing Units (TPU).
  - **Jenkins**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.
  - **Spring boot**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.
  - **Angular**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.

- **Vnext Software** — Trung Kinh, Ha Noi, VN
  Software Engineer — *Aug 2016 - Oct 2017*
  - **CMS Service**: Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
  - **Angular 2+**: Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.

- **Mobifone** — 82 Duy Tan, Ha Noi, VN
  Intern — *Jan 2014 - Aug 2016*
  - **Research Assistant - Machine Learning**: Research on machine learning for portfolio hedging and replication algorithms. Modeling low-risk & continuous-return strategies. Developed the python library QSTK.
  - **Teaching Assistant - Computational Investing**: The online course on Coursera, had more than 100,000 students enrolled. It was featured on the 11 Alive News and the Atlanta Journal Constitution. Involved in creating assignment, exams and conducting recitation sessions. Also taught the on-campus version of the course.

PROJECTS

- **QuantSoftware Toolkit**: Open source python library for financial data analysis and machine learning for finance.
- **Github Visualization**: Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Recommendation System**: Music and Movie recommender systems using collaborative filtering on public datasets.
- **Mac Setup**: Book that gives step by step instructions on setting up developer environment on Mac OS.

PROGRAMMING SKILLS

- **Languages**: Java, Angular, Vuejs, Javascript, NodeJs, SQL, Golang....

- **Technologies**: Kafka, RabbitMQ, K6, Nginx, ELK, Camunda, ...

- **Databases**: Oracle, Mariadb, Postgresql, Mongoodb,...

- **Devops**: Jenkins, CircleCi, K8,...