

Nguyen Hoang Nguyen

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SKILLS

PROFESSIONAL SKILLS

Team management
Agile Development
Machine learning methodologies
Analytical/ statistical skills
Problem Solving
Data management

PROGRAMMING

Python
Java
JavaScript, Typescript, HTML, CSS
SQL

TOOLS/ FRAMEWORKS

Tensorflow, Keras
PostgreSQL, MongoDB, Redis
Elasticsearch
Kafka
Apache Spark
Airflow
MLflow

Amazon Web Services
Docker
Git, Gitlab CI/CD
Agile tools: JIRA, Confluence

EDUCATION

PHD, MACHINE LEARNING

UNIVERSITY OF NICE-SOPHIA
ANTIPOLIS
2010 - 2013 | Nice, France

MS2, TELECOMS

UNIVERSITY OF NICE-SOPHIA
ANTIPOLIS
2009 - 2010 | Nice, France

B.ENG, TELECOMS

HO CHI MINH UNIVERSITY OF
TECHNOLOGIES
2004 - 2009 | Ho Chi Minh City,
Vietnam

LINKS

LinkedIn:// [nguyen-hoang-nguyen](#)

EXPERIENCE

PRIVOWNY | LEAD DATA SCIENTIST/ ML MANAGER

Dec 2018 – Present | Aix-en-Provence, France

- Communicate with stakeholders/ product owners to understand and plan projects, lead teams to access and design proper data science solutions for complex problems
- Plan data acquisition from multiple sources (manual annotation, crowd-sourcing, opendata ...)
- Design and optimize data ETL pipelines
- Manage models and data versions, tracking performance in real production environment, define key performance metrics
- Design and plan feedback collection to maintain/incrementally improve model quality and to avoid model drifting
- Define test automation process and assure CI/CD process for model building cycles
- Implement, port models for multi-platform solutions (server, browser's extension, mobile)
- Lead projects: user's behavior analysis, form/field detection for credential forms, trackers mapping and identifying, privacy policy summarization, email senders characterization ...

PRIVOWNY | RESEARCH ENGINEER/ DATA SCIENTIST

May 2014 – Dec 2018 | Paris/ Aix-en-Provence, France

- Talk with stakeholders to identify problems and possible solutions, plan resource requirements
- Build models for website classification using NLP methodologies and create a user-profile management system. Analyse, model time-variant user's behaviors for profile matching and suggestions.
- Build models to identify form/field for websites with deep-learning
- Build message-based classification systems using the Kafka, Redis, Apache Spark stack
- Implement/ port models to clients (android, browser's extension)

RESEARCH

LABORATOIRE LAGRANGE, OCA | PHD STUDENT

Oct 2010 – Dec 2013 | Nice, France

- Detect pure material signals in hyperspectral images using geometrical/statistical methods
- Research non-linear methods for quantifying material composing of hyperspectral images
- Research reverse mapping and dimension reduction methods for hyperspectral images with spectral and spacial regularization

LABORATOIRE LAGRANGE, OCA | INTERN

Apr 2010 – Sept 2010 | Nice, France

- Analyse time series for long/short term forecasting
- Use LMS filter for adaptive system parameters
- Create model to predict non-linearity of signal strength (SNR) in different weather conditions using kernel adaptive filter