

DUONG NGUYEN

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Skills

Languages & Scripting:

Java/ JavaScript

Python

Platforms:

JSP/Servlet

RESTful web services

Scrapy Framework

Flask

Configuration Management

Tools:

CVS, Git, SVN

Development Tools:

Eclipse, Jupyter Notebook

Operating System:

Windows

Linux Ubuntu

MacOS

Others:

Amazon services (Kinesis, Redshift, DynamoDB, EC2)

Logi Analytics

Libraries:

TensorFlow, Pandas, NLTK, Matplotlib, Keras, Scikit-learn

Languages

English: Intermediate

French: Intermediate

SUMMARY

Have knowledge and desire to work on Data Science and Machine Learning/Deep Learning.

EDUCATION

2014: Completed a free online offering of the course Machine Learning provided by Stanford University through COURSERA INC.

2006-2010: Bachelor of Sciences and Master of Computer Science of University Bordeaux 1. Overall results: Good.

2018: Deep Learning Specialization (**deeplearning.ai**) certificate

ACADEMIC PROJECTS

❖ **Xtranormal** - Business intelligence - 6 months internship

Project Description: Getting data from all sources, then building a data warehouse and produce reports for the website [Xtranormal](#).

Roles: Take all parts of the project but work the most on the part ETL (implement scripts in Java or use Pentaho to get data from various sources of data such as Google Analytics, customer's databases ...)

Skill Set Utilized: SimpleDB, PostgreSQL, MySQL, WebService, Google Analytics, Pentaho, Java

❖ **Chain of acquisition/reconstruction for 3D laser scanner: software Loom 3D** in LaBRI - Laboratoire Bordelais de Recherche en Informatique. (http://liba2ri.free.fr/?page_id=21)

Project Description: Implement the reconstruction part using algorithm « **Ball Pivoting** » of Bernardini and develop the software's interface.

Roles: Analyse and implement the algorithm « **Ball Pivoting** »

Skill Set Utilized: C/C++, Qt, OpenGL

Assignment Duration: 4 months + 2 months internship.

SELF-RESEARCH PROJECTS

❖ Building a fun application which predicts the lottery numbers using classification.

❖ Building a tool to help the blinds on recognition cash (VND) using the architecture as face recognition. (**current**)

REVELANT WORK EXPERIENCE

KMS, Ho Chi Minh, Vietnam

(07/2017 – present)

Title(s):

- Machine Learning Engineer

Project: CV Parsing – Extract structure data from curriculum vitae.

Role: Research and develop machine learning/deep learning algorithms on Computer Vision and Natural Language Processing such as text classification, object detection, named entity recognition.

Project Team Size: 5

Skill Set Utilized: Python, scikit-learn, Pandas, sklearn_crfsuite, Keras, tensorflow

Assignment Duration: 14 months

Cookie Monster, Ho Chi Minh, Vietnam

(12/2016 - 07/2017)

Title(s):

- Algorithm Engineer

Project: Building software for a shipping company

Role: Research on algorithm, build services for clustering, route optimization.

Project Team Size: 6

Skill Set Utilized: Java, Python, JSprit, ekmeans

KMS, Ho Chi Minh, Vietnam

(04/2011 – 11/2016)

Title(s):

- Senior software engineer: 01/2014 – 11/2016
- Software engineer: 04/2011 – 12/2013

Project: qMap (QASymphony)

Project Description: Build a graphic visualizer for data of qTest Explorer (a product of QASymphony)

Industry: Testing Management

Project Team Size: 5

Roles: Developer (Implemented REST API, Researched to improve comparing screens (images) using phash)

Skill Set Utilized: Java, Hibernate, SpringBoots, JUnit, Gradle

Assignment Duration: 4 months

Project: ENGAGEcx

Project Description: ENGAGEcx™ is the world's only Customer Engagement Execution platform. ENGAGEcx is designed from the ground up to deliver fully integrated, uniquely personalized customer journeys; empower employees to play a critical role in the customer experience; and analyze CX program performance in a single, easy to use application. With nearly 10 years of research and development incorporated into the platform, ENGAGEcx enables organizations of any size to integrate and consolidate customer interaction information across all channels in order to deliver real-time, personalized touch points at every step of the customer journey.

Industry: Customer Relationship Management

Project Team Size: 10

Roles: Developer

Skill Set Utilized: Play framework, Amazon services (Kinesis, S3, Redshift), Jboss, Logi Analytics

Assignment Duration: 12 months

Project: OutStart/Kenexa/IBM: LMS

Project Description: LMS helps administrators and learners alike with streamlined interfaces that make sure every operation is quickly and easily accessible. Administrators can administrate, track, report, and deliver courses in support of classroom, offline, online and mobile learning. Learners can select from multiple course offerings and monitor learning progress.

Industry: E-learning

Project Team Size: 15-20

Roles: Developer

Skill Set Utilized: Apache Tomcat, Java, JavaScript/Jquery, JSP/Servlet, REST

Assignment Duration: 36 months