HOA VIET NGUYEN

M A S T E R   S T U D E N T

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EXPERIENCE

Student Assistent
12.2020 – 03.2021

UKP Lab @TU Darmstadt

Working on research project focusing on automated fact-checking

Working Student – Data Science
11. 2019 – 04.2020

Ernst & Young GmbH

- Developing a web crawler to automatically collect internal tax guidelines
- Developing a Proof of Concept customized chatbot for customer service with Microsoft Teams and RASA
- Creating and training a customized Named-Entity-Recognizers to identify tax specific terms in tax guideline with spacy
- Writing technical documentation specify the architecture

Technologies Used: Python, Spacy, RASA

Bachelor Thesis
03 2019 - 07.2019

Immowelt AG in Team Big Data

- Conception and implementation of a distribute web crawler for real estate relevant data based on AWS Services
- Implementing the deployment pipeline on commit with Terraform

Technologies Used: Python, AWS, Terraform, GitLab CI/CD

Working Student - Web Development
03 2018 – 03.2019

Immowelt AG in Team Big Data

- Developing in-house web application for customer service and fraud detections.
- Configuration of the user interface for better usability
- Extend the information content of the websites to increase the accuracy of suspected fraud cases
- Adjustment of the workflow for sparing fraudsters
- Development of a new website for the configuration of the internal tool
- Adjustment of automated email in case of suspected fraud

Technologies Used: C#, ASP.NET, ASP.NET MVC, MS SQL, REST Services, JavaScript, HTML, Team Foundation Service, MongoDB

Intern – Software Engineering
08. 2017 – 02. 2018

Robert Bosch GmbH

- Design and programming an internal tool for fileshare administration in alignment with users, anticipating the client's needs.
- Software life cycle management: creating of test cases and implementation of user acceptance tests.
- Support with the commissioning of a web-based quality management system based on social media

Technologies Used: C#, Window Presentation Foundation

PROJECTS

Member - IT Project
11. 2019 – 03. 2020
@Frankfurt University of Applied Science
Prototyping a blockchain application based on Hyperledger Fabric for product quality management in context of semiconductor manufacturing.
Technologies Used: HyperLedger Fabric, Node JS, Flask

IT Project EMPAMOS
03.2018-12.2018
@Technische Hochschule Nürnberg
Developing an OCR transform pipeline for the extraction of bounding box from low quality scanned PDF data of highly complex structure.
Technologies Used: Python, Tesseract OCR, Cassandra

EDUCATION

Technical University of Darmstadt
04. 2020 – now
M.S. Computer Science

Courseworks (attending):
Deep Generative Models
Affective Computing

Courseworks (completed):
Deep Learning: Architecture and Methods
Deep Learning for NLP Foundation of Language Technology
NLP4Web
Digital Humanities and Deep Learning

Frankfurt University of Applied Science
10.2019 - 03.2020
M.S. Computer Science
Courseworks (completed):
Learning from Data
Machine Learning

Technische Hochschule Nürnberg
10.2015 – 10.2019
B.S. Business Information Systems
Courseworks (completed): Data Structures and Algorithm, Information Security and Cryptography, Computer Networking, Programming I/II, Databases, Algorithmic Graph Theory, Game Theory.

SKILLS

Languages: C#, Python, JavaScript, jQuery, HTML5

Libraries: keras, pytorch, sklearn, numpy, pandas, Matplotlib, Flask, nltk, huggingface

Technologies: Git, Postman, Unix/Linux, GitLab CICD

Prospective fields: Docker, Cassandra, Node.js

COURSE

Machine Learning (Coursera Audit)