Armin Mesic

Education

Technische Universität München
B.Sc. Computer Science, since October 2015
Thesis: Learning on a budget from multiple experts

Experience

Fraunhofer AISEC, Student Research Assistant
February 2018 - August 2019

Framework for Adversarial Machine Learning:
Research and implementation of adversarial attacks on Neural Networks.
Goal of the framework is to evaluate the security of machine learning models.
Technologies: Python, PyTorch

Neural Network to recognize keypresses through emitted keyboard sound:
Building on previous research we've attempted to develop an end to end model to recognize user input through emitted keyboard sounds. Transfer learning and curriculum learning were utilized, only worked in a limited scope.
Technologies: Python, PyTorch

Motius, Software Developer, Working Student
July 2016 - January 2018

Natural Language Processing Service for KPMG:
Implemented features include entity recognition, classification and topic extraction for news articles. As the sole developer I took care of the design, implementation and deployment. For the machine learning part I collected data and trained the classifier.
Technologies: Python, scikit, spaCy, PostgreSQL, DBPedia, Freebase, Docker

Real-time Collaboration Webapp for KPMG:
Designed and implemented real-time communication service, can handle hundreds of users concurrently.
Technologies: JavaScript, NodeJs, Sockets, ArangoDB, Docker

Tado, Software Developer, Working Student
August 2015 - June 2016

KPI Dashboard:
Developed KPI dashboard to quickly identify bottlenecks in customer support, improved the response time and increased customer satisfaction.
Technologies: JavaScript, NodeJS, Redis, MySQL, Docker

Languages

German (native), English (advanced)