

Anna Orosz (she/her)

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Looking for: 2021 Summer Internship in ML/AI, Data Science, NLP, Autonomous Driving, or in related R&D field

Education

University of Pennsylvania | Master of Science in Engineering in Data Science

December 2021

University of Pennsylvania | Bachelor of Arts in Mathematics and Computer Science

Relevant Coursework: Artificial Intelligence, Machine Learning, Computational Linguistics, Databases, Statistics for Data Science, Algorithms & Data Structures, Unix, Python, Computer Architecture, Graph Theory & Algorithms, Analysis, Abstract & Linear Algebra, Game Theory, Calculus, Language and Automata, Micro- and Macroeconomics

Professional Experience

MBition – Mercedes-Benz Innovation Lab | **Artificial Intelligence** Intern | Berlin, Germany June 2020 – August 2020

- Built time series model detecting & classifying data outages among millions of Mercedes-Benz data
- Researched and evaluated state-of-the-art approaches (SARIMAX, LSTM, PROPHET) in *Azure Databricks* with *PySpark*
- Innovated on frontline of automotive world and develop next generation of self-driving Mercedes-Benz automobiles

LogMeln | **Machine Learning** Intern | Budapest, Hungary January 2018 – July 2019

- Developed award-winning NLP Hackathon project for training QA systems using state-of-the-art Deep Neural Networks
 - Won 1st prize Tech Innovation + Audience favorite prize + 2nd place Best Business Value Innovation prizes
- Researched term weighting methods, class hierarchy models facilitating email automation for Top 5 Indian Bank
- Enriched Q&A text corpus in languages (VN, GE, IN, etc.) by building sophisticated web-scraping services for Bold360 AI
- Specialized in Applied Research for **Natural Language Processing**, worked in *Python* with *Keras*, *Tensorflow*, *scikit-learn*

Facebook | **Software Engineering** Intern | Menlo Park, CA May 2017 – August 2017

- Modernized internal client-library tool Hyperloop completing bulk data transfers for Facebook's Data Scientists
- Overhauled internal tool COPTA for copying directories across *Hadoop Distributed File System* clusters and FB's data centers
- Engineered detailed *Scuba* tables for Hyperloop and COPTA as (100+ petabytes data)
- Operated with multi-tenancy, network utilization, scheduling, cross-dc connection-pooling in *C++*

RapidMiner | **Software Developer** Intern | Budapest, Hungary May 2016 – August 2016

- Developed software to make **Data Science** accessible to RapidMiner's customers
- Built operators RapidMiner Studio designed to process, analyze and alter data locally
- Designed Operators in RapidMiner Radoop - using Spark scripts - to process data on large scale with Apache Hadoop

Projects

Time series model June 2020 – August 2020

Create seasonal and trend-sensitive time series model assessing Mercedes Benz system failures.

[Python, PySpark]

Standardized Testing AI

Built DistillRoBERTa model for answering standardized testing Science questions in multiple-choice style. [Python, TensorFlow]

March 2020 – May 2020

Chatbot

Established Question Answering system using BERT to serve Bold360 AI's clients. (3x Hackathon winner) [Python, TensorFlow]

November 2018 – March 2019

Youtube Spam Comments Detector

Classified comments as ham or spam with Naïve Bayes and SVM models by using TF-IDF transformation. [Python, scikit-Learn]

November 2017

County Election Predictor

Developed NN & SVM models predicting 2016 election results by county. [Python, Keras, scikit-Learn, TensorFlow]

September 2017

Image Classification

Fine-tuned NN model trained on the ImageNet dataset to classify images of UPenn/non-UPenn logo. [Python, TensorFlow]

May 2017

Leadership Experience

CIS530 - Computational Linguistics: *Teacher's Assistant* @ graduate-level Natural Language Processing class at Penn in Fall 2020

The Daily Pennsylvanian: *Machine Learning Engineer* @ UPenn school newspaper's Analytics department

VPUL – Satellite Tutoring: Computer Science and Mathematics *Tutor* @ UPenn for fellow undergraduates

Proficiencies and Passions

Prog. Languages: Java, Python, C++, C, Bash/Shell, HTML/CSS/Javascript, OCaml, Assembly Language, MySQL

Platforms/Modules: scikit-learn, Keras, TensorFlow, PySpark, Linux/Unix, Git/Mercurial, JupyterHub/Lab, Azure Databricks

Languages: German (Fluent), Hungarian (Native Speaker), French (Intermediate)

Interests: Computational Linguistics, Autonomous Vehicles, Machine Learning, Artificial Intelligence & Data Science

Activities & Hobbies: riding my Piaggio, horseback-riding, bouldering, salsa-dancing, ice-skating & skiing, cinematography