Anna Orosz

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Education

University of Pennsylvania | Candidate for B.A. in **Computer Science** and **Mathematics**   May 2021

Relevant Coursework: Algorithms, Data Structures, Unix, Python, Computer Architecture, Analysis, Algebra, Calculus, Economics, Machine Learning, Graph Theory and Graph Algorithms, Abstract Algebra, Language and Automata

Professional Experience

LogMeIn, Inc. | Machine Learning Intern | Budapest, Hungary   January 2018 – July 2019
- Developed award-winning Hackathon project for training QA systems using state-of-the-art Deep Neural Networks
  - 1st prize Tech Innovation + Audience favorite prize + 2nd place Best Business Value Innovation
- Researched term weighting methods and class hierarchy models to facilitate email automation for Top 5 Bank in India
- Enriched text corpus in multiple languages and ensure stable performance through measuring for Nanorep, Bold360 AI Software

Facebook, Inc. | Software Engineering Intern | Menlo Park, CA   May 2017 – August 2017
- Built internal client-library for next-generation tool Hyperloop - designed to complete bulk data transfers on behalf of Facebook's Data Science teams
- Remodeled internal tool COPTA - used to copy huge directories across HDFS clusters and data centers - to depend on Hyperloop in addition to previous dependencies
- Engineered detailed Scuba tables for Hyperloop and COPTA
- Operated with multi-tenancy, network utilization, scheduling, cross-dc connection-pooling, worked primarily in **C++**

RapidMiner, Inc. | Software Developer Intern | Budapest, Hungary   May 2016 – August 2016
- Programmed Operators in Studio designed to process, analyze and alter data on small scale
- Designed Operators in Radoop - using Spark scripts - to process data on large scale on Hadoop clusters
- Repaired bugs and designed new features, worked primarily in **Java**

Projects

QA System   November 2018 – March 2019
- Refactored BERT, a state-of-the-art NLP technology and used it to build a Question Answering system that is able to act as a real-life operator for LogMeIn's BoldAI 360's clients. (won 3 prizes at regional Hackathon) **Python, Tensorflow**

Youtube Spam Detector   November 2017
- Classified comments as ham or spam with Naïve Bayes and SVM models by using tf-idf transformation. **Python, scikit-Learn**

County Election Predictor   September 2017
- Built Neural Network model through keras on Tensorflow to predict if Clinton or Trump wins in a given county. **Python, Keras, Tensorflow**

Walk-to-unlock   September 2017
- Hacked an Android app to track and monitor social media app usage; if usage exceeded a user-defined limit, access to the app was prohibited until physical exercise was detected through the phone's sensor. **Java**

Image Classification   May 2017
- Retrained a Tensorflow neural network ML model trained on the ImageNet Large Visual Recognition Challenge dataset to classify images containing the Penn logo by populating training data through scripts. **Python, Tensorflow**

Wiki Parser   April 2017
- Formed complex graph models by utilizing in-links and out-links to create a directed graph representation of the Wikipedia network and used BFS, DFS, Dijkstra's and Kosaraju's algorithm to research the network. **Java**

Raspberry Pi Security System   May 2016
- Utilized motion detector to initiate the security system to take a picture and trigger email response system. **Python, Shell**.

Skills and Interests

Programming Languages: Java, Python, C++, C, OCaml, Bash/Shell, HTML, Assembly Language
Platforms/Tools/Modules: Linux/Unix, Git/Mercurial, scikit-Learn, Keras, Tensorflow, Jupyterhub
Languages: German (Fluent), Hungarian (Native Speaker), French (Intermediate)
Interests: Machine Learning, Artificial Intelligence, Big Data, Open-Source, Horseback-riding, Cinematography
Activities: AOE - Engineering Sorority, Women in CS, Undergrad Statistics Society (Philadelphia)
                               Big Data Meetup, Girls in Science, AFS Intercultural Programs (Budapest)