Wojtek Swiderski

+1-416-317-0133 | wojtek.technology@gmail.com | wojtechnology | wojtechnology

Skills

Languages	Python, C/C++, Java, Golang, JavaScript (ES6), Scala
Technologies	Flask, Tornado, Thrift, MySQL, PostreSQL, Redshift, HBase, Spark, scikit-learn, Tensorflow, OpenCV, React, Redux
Tools	Unix, Bash, Git, Vim, IntelliJ, Sublime Text

Experience

Affirm   *San Francisco, California*
SOFTWARE ENGINEER - MACHINE LEARNING   *August 2019 - Present*

- Built a micro-service for online model inference and migrated all machine learning models to it

Affirm   *San Francisco, California*
SOFTWARE ENGINEERING INTERN   *September - December 2018*

- Built a framework for distributed hyperparameter tuning
- Improved credit model training time from 30 to 2 hours, without degrading model performance

Jane Street   *New York, New York*
SOFTWARE DEVELOPER INTERN   *January - April 2018*

- Built a market-data feed that consolidated currency data from multiple sources using a schedule-based configuration
- Developed a version controlled temporal key-value datastore

Oscar Health   *New York, New York*
SOFTWARE ENGINEERING INTERN   *May - August 2017*

- Working on improving the relevancy of doctor search using learning to rank methods based on linear models
- Developed service that approximates travel time from member to doctor using Google's S2 geometry library
- Built ranking comparison and dataset labeling tools in React and Redux

Quora   *Mountain View, California*
SOFTWARE ENGINEERING INTERN   *August - December 2016*

- Launched machine learning model based on gradient boosted trees for related questions ranking that increased signups by 5.5%
- Decreased training time from 3 hours to 5 minutes by parallelizing extraction of natural language features such as Word2Vec and TFIDF similarities and historical features such as question covisits
- Refactored caching layer for related questions resulting in 90% less lines of code and removal of a deprecated caching abstraction

Uber   *San Francisco, California*
SOFTWARE ENGINEERING INTERN - UBER FOR BUSINESS   *January - April 2016*

- Individually built three language agnostic services responsible for centralized payments using Python/Tornado and Thrift
- Architected payment transaction service used to route transactions to data centers in accordance with international data privacy laws
- Designed data models for payment account metadata to be stored in Uber's distributed wide column datastore, Schemaless

Sony Creative Software   *Waterloo, Ontario*
SOFTWARE ENGINEERING INTERN   *May - August 2015*

- Developed APIs for UI components such as context menus used by all three applications; built with C++ and the Qt Framework
- Designed and implemented a cross-platform framework for handling mouse and key system events

Education

University of Waterloo   *Waterloo, Ontario*
CANDIDATE FOR BACHELOR OF SOFTWARE ENGINEERING   *2014 - 2019*

- First in Class Engineering Scholarship
- Engineering and Mathematics Dean's Honours List (93.8% Cumulative Average)