Anastassia Kornilova

Education

2012-2016   **BS in Computer Science, Carnegie Mellon University**, *Pittsburgh, PA*, *GPA: 3.78 / 4.00*.
Minor: Language Technologies.
Relevant Classes: Introduction to Machine Learning*, Introduction to Natural Language Processing*, Distributed Systems, Honors Mathematical Statistics, Language and Statistics, Probability and Computing, Foundations of Cyber-Physical Systems. (* indicates currently enrolled)

Fall 2016   **University of Edinburgh**, *Edinburgh, Scotland*.

Work Experience

Summer 2015   **Data Science Intern**, *Khan Academy*, Mountain View, CA.
- Analyzed complex data from Bay Area user engagement event (Learnstorm) and created recommendations for future iterations of the project.
- Built infrastructure to enable logging of a new dimension of user activity data, previously inaccessible for analysis.
- Built a prototype of a personalized recommendation email to encourage re-engagement with the site.
- Aggregated data and created algorithm to assemble practice SAT tests that were aligned with complex official standards.

Summer 2014   **Software Engineering Intern**, *Pinterest*, San Francisco, CA.
- Worked as primary contributor to the AB Experiments framework on the Data Engineering Team.
- Aggregated raw log data for analysis of unauthorized users; expanded data sources for internal experiments.
- Built full-stack data tools including: Hive and Cascading data jobs, HBase API, statistical validation, web dashboard and email subscriptions.

Summer 2013   **Software Engineering Intern**, *Square*, San Francisco, CA.
- Used Hadoop MapReduce to create custom aggregation tools for analysts.
- Worked with the Data Engineering team to improve data infrastructure.

Side Projects and Research

Fall 2014 - Spring 2015   **Language Technologies Research Project**.
Researched techniques to improve kernelized SVM performance through sampling methods. Experimented with improving the performance of semantic parser using feature engineering and data analysis.

Summer 2015   **HostessApp**.
Created a web application for managing, entering and viewing data for sorority recruitment. The app is used by about 50 people to review and add information in real-time.

Leadership

CMU EdTech   VP External: Connected club members with local opportunities in education technology. Organized events with external groups.

Honors and Awards

Spring 2015   Inducted into Mortar Board, senior honor society, based on leadership, scholarship and volunteering criteria.

Fall 2014   Won 2nd place in Foundations of Cyber-Physical Systems research project competition, judged by experts from industry.

Technical skills

Languages   Python, C, Java, MATLAB, SML

Tools   BigQuery, Hadoop (Hive, Cascading), Flask