Ritwik Gupta

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EXPERIENCE

May 2015 – Present

Data Science Intern – Staples SparX

- ⌧ Building and modifying recommender systems for the Staples online website.
- ⌧ Working with Hadoop, Apache Spark, YARN, Mesos, and Python
- ⌧ http://staples-sparx.com

January 2015 – Present

Front-End/Mobile Developer – University of Pittsburgh (Chemistry)

- ⌧ Create a web platform (Pitt Quantum Repository) to easily access molecular visualizations and data.
- ⌧ Working with Flask, Bootstrap, LESS, JavaScript, HTML, and Grunt.
- ⌧ http://pqr.pitt.edu

June 2014 – Present

Android Developer – Independent Open-Source

- ⌧ Developed an Android application (PAT Realtime Tracker) that tracks the public transit buses of Pittsburgh, PA in real-time.
- ⌧ First, and most popular application to track the buses of the Port Authority.
- ⌧ http://play.google.com

June 2014 – September 2014

Data Science Research Intern – University of Pittsburgh (Biomedical Informatics)

- ⌧ Creating machine learning and natural language processing algorithms to categorize driver and passenger mutations given whole-genome data.
- ⌧ Worked with Python, Theano, nVidia CUDA, Scitkit, and Numpy.
- ⌧ http://dbmi.pitt.edu

June 2013 – August 2013

Software Research Intern – University of Pittsburgh (Biomedical Informatics)

- ⌧ Analyzing the frequency of palindromic sequences in the whole human genome, along with specific analysis of acute myeloid leukemia.
- ⌧ Worked with Python, Java, JavaScript, HTML, and D3.
- ⌧ http://dbmi.pitt.edu

PUBLICATIONS

Distribution of Palindromes in the Human Genome. Journal of Pathology Informatics. March 28, 2014.

EDUCATION

University of Pittsburgh

Bachelors of Science – Computer Science   **GPA**: 3.710

- ⌧   High Performance Systems/Data Science