

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