

Ritwik Gupta

ritwikg2004@live.com ✉ ritwikgupta.me ✉ GitHub: RitwikGupta

SELECTED EXPERIENCE

Data Science Intern – Staples SparX

May 2015 – Present – *San Francisco Bay Area, CA (San Mateo)*

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

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

January 2015 – Present – *Pittsburgh, PA*

- ✉ 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>

Android Developer – Independent Open-Source

June 2014 – Present – *Anywhere*

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

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

June 2014 – September 2014 – *Pittsburgh, PA*

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

Software Research Intern – University of Pittsburgh (Biomedical Informatics)

June 2013 – August 2013 – *Pittsburgh, PA*

- ✉ 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.

SKILLS

- ✉ Expertise in Python, Java, Android, HTML, CSS, JavaScript, and MIPS
- ✉ Proficient with C++, SQL, NoSQL
- ✉ Apache Spark, Mesos, YARN, Scikit, NLTK, Flask, MVC, LESS, Apache (LAMPP/XAMPP), Linux

EDUCATION

University of Pittsburgh

Bachelors of Science – Computer Science

GPA: 3.710

- ✉ High Performance Systems/Data Science

AWARDS

- ✉ Winner + Best Use of Data – NASA International SpaceApps Pittsburgh
- ✉ Winner – Pitt SmashMash! Entrepreneurial Challenge