

# Ritwik Gupta

## about

ritwikg2004@live.com  
http://ritwikgupta.me  
GitHub://RitwikGupta

## languages

Python  
Java  
HTML  
CSS  
JavaScript  
MIPS

## technologies

Apache Spark  
Mesos  
YARN  
Hadoop  
Scikit  
NLTK  
Android  
Flask  
MVC  
Apache  
(LAMPP/XAMPP)  
Linux

## education

2014 - 2017 **B.Sc.** majoring in Computer Science

GPA: 3.710

Concentration in Data Science + Software Engineering

University of Pittsburgh

## awards

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

## experience

May 2015 - Now **Staples SparX/Staples Innovation Labs**

Data Science Intern

*Building recommender systems for*

*Staples, the 2nd largest online retailer globally.*

- > Model was put into production on Staples.com and emails.
- > Custom ML modeling using NLP techniques.
- > Working with Apache Spark, Hadoop, Mesos, YARN, and Python.

Jan. 2015 - Now **University of Pittsburgh (Chemistry)**

Front-End/Mobile Developer

*Developing the Pitt Quantum Repository, a*

*web platform for molecular visualizations and data.*

- > In use by Pitt's general chemistry and biology classes.
- > Working with Flask, Bootstrap, LESS, JavaScript, HTML, and Grunt.

Jun. 2014 - Now **Independent/Open-source**

Android Developer

*Creating Pittsburgh Realtime Tracker, the first*

*and most popular real-time bus tracking app in Pittsburgh.*

- > Over 10,000 users in the Pittsburgh region.
- > Used Android Studio, Java, XML, and GIMP.

Jun. - Sep. 2014 **University of Pittsburgh (Biomedical Informatics)**

Data Science Intern

*Creating machine learning algorithms to categorize*

*driver and passenger mutations given whole-genome data.*

- > Worked with Python, Theano, nVidia CUDA, and Scikit.

Jun. - Aug. 2013 **University of Pittsburgh (Biomedical Informatics)**

Research Intern

*Analyzing the frequency and distribution*

*of palindromes in the entire human genome, with focus on acute myeloid leukemia.*

- > Developed tools in Java, Python, HTML, JavaScript, and D3.

## publications

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