Ritwik Gupta

ritwikg2004@live.com

ritwikgupta.me

github.com/RitwikGupta
linkedin.com/in/ritwikgupta

Experienced With

- o Java/Android
- o Python
- o HTML
- o CSS
- o SQL
- o C#

> Familiar With

- o C++
- o C
- o Arduino

> Libraries

- o Flask
- o Bootstrap
- o OpenCV
- o D3

> Version Control

- o Git

> Miscellaneous

- o Apache
- o Google Maps API
- o Parse

January 2015 – Present
University of Pittsburgh Department of Chemistry

Front-End/Mobile Developer

> Pitt Quantum Repository
> Creating a platform for students to easily access molecular visualizations.
> Designing a system that will efficiently access, display, and manipulate molecules across a wide variety of desktop and mobile platforms.

June 2014 – September 201
University of Pittsburgh Department of Biomedical Informatics

Undergraduate Research Assistant

> Working with Dr. Xinghua Lu to find driver and passenger mutations in tumors.
> Applied machine learning concepts such as Bayesian Casual Inference to big data in order to extract meaningful knowledge. GPU computing and parallel computing were used.
> Algorithm efficiency analysis to speed up runtime.

June 2014 – September 2014
Independent Work (Rectang[le])

Android Programmer and Designer

> Created Android application to track public buses of Pittsburgh in real time.
> Back end development (API interfacing), app development, and icon designer.
> http://bit.ly/pittRealTimeBus

June 2013 – August 2013
University of Pittsburgh Department of Biomedical Informatics

Undergraduate Research Assistant

> Worked with Dr. Madhavi Ganapathiraju to analyze palindromes in the human genome.
> Applied data from whole genome to Acute Myeloid Leukemia to find correlations.
> Published in *Journal of Pathology Informatics*.

EDUCATION

August 2014 – May 2017
University of Pittsburgh, Pittsburgh, PA

Bachelors of Science

> Computer Science
> High Performance Systems (expected)

PUBLICATIONS

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

REFERENCES: AVAILABLE ON REQUEST