




# Tahir H. Butt

591 Ocean Ave Apt 5G  
Brooklyn, NY 11226  
+1 862-368-6709  
[tahir@tahirbutt.com](mailto:tahir@tahirbutt.com)

 [tahirbutt.com](https://github.com/tahirbutt)  
 [majorgreys](https://www.majorgreys.com)  
 [tahirhbutt](https://www.linkedin.com/in/tahirhbutt)

## Professional Experience

- Oct 2018– Present *Open-Source Software Engineer (Contractor)*  
Datadog  
New York, NY
- Extend performance measurement of Python libraries and frameworks
- May 2018– Oct 2018 *Senior Software Engineer*  
Liwwa, Inc.  
New York, NY
- Member of small engineering team with multiple responsibilities across products and systems
  - Prototyped image analysis and document digitization pipeline for low quality images (OpenCV, scikit-image, Google Cloud Vision)
  - Extended web application (Flask, SQLAlchemy, Backbone.js)
  - Improved development and production infrastructure (Vagrant, Chef, AWS)
- 2005–2017 *Data Analyst and Software Engineer*  
Amplify Education  
Brooklyn, NY
- Data Engineer (part-time) — 2016–2017*  
Implemented a data pipeline and reporting platform for educational games division
- Data Analyst (part-time) — 2012–2015*  
Researched the efficacy of machine learning algorithms in educational products
- Data Engineer — 2009–2012*  
Led development of analysis tools for classroom assessment and instructional products
- Senior Software Engineer — 2007–2009*  
Headed data discovery and integration on large data system for New York City Department of Education and directed development of a reporting tool for school administrators and teachers
- Software Engineer — 2005–2007*  
Implemented services for deployment of software packages to mobile devices and tools for monitoring of backend systems, primarily focused on database performance

## Projects

- 2018      Extreme Weather and Human Mobility  
            NYC Media Lab and The Weather Company  
            Co-researched the effects of extreme weather on human populations using company's mobile product data with a focus on differences among socioeconomic groups

## Presentations and technical talks

## Education

- 2011–      Doctoral candidate, Urban Education (Expected 2019)  
            *The Graduate Center, CUNY*, New York, NY  
            Dissertation: "Free Tuition and Exclusion at the City University of New York, 1957-1976"
- 1998–2002      B.A., Cognitive Science and Mathematics  
            *Johns Hopkins University*, Baltimore, MD

## Technical skills

Python, R, SQL, JavaScript