




# Tahir H. Butt

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

## Professional Experience

- 2005–2017 Amplify Education  
Brooklyn, NY
- 2016–2017 *Data Engineer* Implemented a data pipeline and reporting platform for educational games division
- 2012–2015 *Data Analyst* Researched the efficacy of machine learning algorithms in educational products
- 2009–2012 *Data Engineer* Led development of analysis tools for classroom assessment and instructional products
- 2007–2009 *Senior Software Engineer* 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
- 2005–2009 *Software Engineer* 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 with Agustín Indaco (Ph.D. candidate in Economics, Graduate Center), the effects of extreme weather on human populations using company's mobile product data with a focus on differences among socio-economic groups
- 2017 [Visualizing NEH](#)  
Graduate Center Digital Initiatives  
Analysis of open data from National Endowment of Humanities (NEH) and the National Endowment of the Arts (NEA) following proposed budget cuts
- 2017 Digital Research Tools for Historians  
Provost Digital Innovation Grant, The Graduate Center, CUNY  
Surveyed digital research tools for historians and proposed implementation of new software based on modern web technologies and cloud infrastructure

2014–2016 [Conversations in Black Freedom Studies](#)  
Schomburg Center for Research in Black Culture and The Graduate Center, CUNY  
Developed a website and produced social media as an online extension of a monthly series of discussions at the Schomburg Center

## Technical talks and workshops

Feb 2018 [Do the ‘R’ Thing: Data Analysis with R](#)  
The Graduate Center, CUNY

Nov 2017 [Academics ♥ Git](#)  
The Graduate Center, CUNY

Oct 2017 [Skill Share: Pandoc](#)  
Digital Scholarship Lab, The Graduate Center, CUNY

Oct 2016 [Databases II: Querying in the Real World](#)  
The Graduate Center, CUNY

## Education

2011– Ph.D., Urban Education (Expected June 2018)  
*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, WordPress, Javascript, Git, Docker