




# Tahir H. Butt

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 [tahirbutt.com](https://github.com/tahirbutt)  
 [majorgreys](https://medium.com/majorgreys)  
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## Professional Experience

- 2005–2017 Amplify Education  
*Software Engineer*  
Brooklyn, NY
- Implemented a data pipeline and reporting platform for educational games division
  - Data analysis and research on the efficacy of early reading assessment and curriculum product
  - Led development of analysis tools for an instructional product leveraging machine learning algorithms
  - Led data integration on city-wide data system for New York City Department of Education and was technical lead development of a reporting tool for school administrators and teachers
  - 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  
In collaboration with Agustín Indaco (Ph.D. candidate in Economics at The Graduate Center), researched 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

## 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