

# Breanna E. Green

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## Education

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**Cornell University**, Ithaca, New York

**PhD Student in Information Science** (**Expected Graduation:** May 2025) | Sloan & GEM Scholar | Siegel Research Fellow 2023-2024

**Cornell University**, Ithaca, New York

**Master of Science:** Information Science (August 2023)

- *Relevant Courses: (as of Spring 2023):* Behavior & Information Technology, Applied Time Series Analysis, Text Mining History & Literature, Data Science for Social Good, Text and Networks, NLP and Social Interaction

**The University of Texas at San Antonio**, San Antonio, Texas

**Master of Science:** Psychology (August 2017)

- *Relevant Courses:* Research Design, Psychological Measurement, Inferential Statistics, Correlation and Regression Analysis, Human Cognition

**Prairie View A&M University**, Prairie View, Texas

**Bachelor of Psychology:** Psychology (May 2014) | The Regents' Student Merit Scholarship

## Technical Skills

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**Programming:** Python, R, PL/SQL

**Technological Toolbox:** Anaconda, APIs, Github, SPSS, R Studio, Tableau, Qualtrics, CVENT, SurveyMonkey, Excel, PowerBI & DAX, SAP HANA

**Empirical Methods:** Natural Language Processing (NLP), Quantitative & Qualitative Analysis, Experimental Research Design, Survey Item Development

## Projects and Activities

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**Black Excellence Research Symposium Planning Committee Leader**

- Lead organizer of the inaugural event (Mar. 2022)

**Working Group – Global Internet Forum to Counter Terrorism**

- In Progress: Technical Approaches: Tooling, Algorithms & Artificial Intelligence

**Understanding Hate Speech from Twitter to Gab (Python & R)**

- In Progress: Research cross-examining the sentiment of posts from approx. 10,000 users migrating from Twitter to Gab

**Analyzing Responses to Political Violence - YouTube Videos (Python & R)**

- In Progress: Research identifying subgroups in approx. 180,000 responses to the Black Lives Matter Protests versus Jan. 6<sup>th</sup> Insurrection

**Academic Excellence Chair, Black Graduate and Professional Student Association (BGPSA)**

- Host weekly Academic Work Sessions totaling approx. 100 students

**Graduate Representative, National Society of Black Engineers (NSBE)**

- Graduate mentor for 80+ URM undergraduate STEM major students

## **Multicultural Academic Council (MAC) Mentoring**

- Peer mentor supporting the success and professional development of first-year doctoral students

## **Work Experience**

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### **Siegel Public Interest Tech Impact Fellowship, Block Party – New York, NY**

#### **Summer 2023 (May to August) – PhD PiTech Fellow**

- Designed and implemented an improved abstractive summarization process into the current Block Party pipeline
- Conducted stakeholder interviews

### **People Analytics & Reporting (HR), Regeneron Pharmaceuticals, Inc. – Sleepy Hollow, NY**

#### **Summer 2023 (May to August) – PhD Intern**

- Modelled retirement and turnover projections across the company
- Conducted quantitative and qualitative text analysis on employee survey comments in support of diversity, equity, and inclusion efforts.
- Facilitated the use and implementation of NLP methods to develop a skills ontology and database across the company

### **GEM Employer Fellow, LAM Research – Remote**

#### **Summer 2022 (May to July) – Power BI Analytics Intern**

- Transitioned Global Part KPI application from Qlik to PowerBI using DAX and DirectQuery from SAP HANA
- Facilitated team onboarding for Databricks – drafted project design and established internal contact

### **Liberty Mutual Data Science, Boston, Massachusetts**

#### **Summer 2022 (June to August) – Data Science Intern**

- Improved the natural language processing (NLP) resume skills extraction process for talent analytics
- Utilized SpaCy PhraseMatcher, NLTK, Word Embeddings and Cosine Similarity

### **Tarrant County College, Fort Worth, Texas**

#### **2017 to 2020 – Research Analyst, Office of Institutional Research**

- Data analysis and interpretation: Created ad hoc reports – facilitated custom client requests
- Survey administrator and collaboration assistant – includes preparing and disseminating district-wide surveys using CVENT
- Presented research findings to internal and external clients
- Lead analyst for TCC Cyber Security Task Force and S.T.E.M. council – providing bi-weekly or monthly updates to shifting demographic data and growth analyses
- Served on the Institutional Review Board (IRB)

## **Publications**

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Wainwright, K., Green, B. E., & Romanowich, P. (2018). The Relationship Between Delay and Social Discounting, and Body Mass Index in University Students. *The Psychological Record*, 68(4), 441-449.

## Awards & Additional Skills

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### Awards:

#### 2023

- Siegel Research Fellow – 2023-2024
- Siegel Public Interest Tech Impact Fellowship

#### 2022

- Exemplary Service Award- Early Career Student
- The Robert Mozia Graduate Student Distinguished Service Award
- Sloan Mini-Grant Award Winner – \$10,000
- GEM Employer Fellowship

#### 2020

- Sloan Scholar, Alfred P. Sloan Foundation's Minority Ph.D. (MPHD) Program – Grant: G-2019-11435.

**Languages:** Mandarin Chinese (Elementary); Middlebury Summer Language Institute (2011), Study Abroad – Xi'an International Studies University (2012), National Taiwan Normal University (2015)

**Personal Interests:** Service Learning - Accra, Ghana (2014); Mentor for Master of Teaching Institute – Research Design and Methodology (2017-2020)