

Princess Sampson pronouns: [they/she](#)

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Research Areas

Human-Computer Interaction, Human-Centered AI, Algorithmic Justice

Education

- 2022 – pres. **University of Pennsylvania**
Ph.D. Student in Computer Science
Human-Computer Interaction Group, advised by Danaë Metaxa
- 2018 – 2022 **Spelman College**
B.S. in Computer Science *with honors*

Awards & Honors

- 2022 **National GEM Consortium** GEM Fellowship
- 2021 **Google** Tech Exchange Scholar
- 2021 **Crown Castle** Opportunity Scholarship
- 2019 **Booking.com** Women in Tech Scholarship
- 2019 – 2022 **Spelman** Social Justice Program Fellow
- 2019 – 2022 **Spelman** [LINCS](#) Fellow
- 2018 – 2022 **Spelman** Ethel Wadell-Githii Honors Program Scholar

Publications

REFEREED CONFERENCE PUBLICATIONS

- [c.1] **Sampson, P.**, Encarnación, R., Metaxa, D. (2023). “Representation, Self-Determination, and Refusal: Queer People’s Experiences with Targeted Advertising.” FAccT 2023.

WHITE PAPERS

- [w.1] Nias, J., **Sampson P.**, and R. Ogburu-Ogbonnaya. (2022). “Black Women’s Experiences with Algorithmic Microaggressions.” Mozilla Foundation. [Available here](#).

WORKSHOP PAPERS

Nias, J., L. Hampton, M. Ruffin, and **P. Sampson**. (2020). “Decolonizing Technologies for Preserving Cultural and Societal Diversity.” CHI 2020 Engaging Race in HCI Workshop. [Available here](#).

Research Experience

- 2022 – pres. **University of Pennsylvania**, *with Prof. Danaë Metaxa*.
As a graduate research assistant at PennHCI, I lead a variety of interdisciplinary computing projects focused on algorithmic justice.
- 2021 – 2022 **Georgia Institute of Technology**, *with Jay Foriest and Prof. Munmun De Choudhury*.
Research assistantship in the Social Dynamics and Wellbeing Lab; worked with the Youth Risk Behavior Surveillance System (YRBS) dataset and conducted a literature review for relevant public health and social computing topics.
- 2021 – 2022 **Spelman College & Mozilla Foundation**, *with Prof. Jaye Nias*.
Co-authored a white paper that centers Black women and their experiences of algorithmic harm in the conversation on trustworthy AI.
- 2021 – 2022 **Morehouse College**, *with Prof. Wallace Derricotte*.
Contributed to development and maintenance of an open-source quantum chemistry Python package; reviewed relevant computational chemistry literature.

Industry Experience

- 2022 **Adobe Research · San Jose, CA (Remote)**
RESEARCH SCIENTIST INTERN
AI Experiences Lab. Led research project at the intersection of visualization and data storytelling. Mentor: Jane Hoffswell.
- 2021 **Etsy, Brooklyn · NY (Remote)**
SOFTWARE ENGINEERING INTERN
Migrated Scala source to ApacheSpark from Scalding for critical shared data pipelines that power machine learning models, experiments, and analytics in search and recommendations.
- 2020 **Amazon Advertising · NYC (Remote)**
SOFTWARE DEVELOPMENT ENGINEERING INTERN
Designed and built an AWS ETL pipeline for generating features used by ad targeting

models.

- 2019 **Amazon · Seattle, WA**
SOFTWARE DEVELOPMENT ENGINEERING INTERN
Selected as one of 100 Amazon Future Engineer interns nationwide. Contributed to web app used internally by business analyst teams; contributed code to an existing React/Redux app backed by Spring webservice.

Leadership & Service

- 2022 – pres. **Penn Engineering Dean’s Doctoral Diversity Advisory Board**
Elected Role: CIS Co-Representative
- 2022 – pres. **Penn Computer and Information Science Doctoral Association**
Elected Role: Chair-in-training. Attend and document faculty meetings for CIS Ph.D. students; represent student interests to department leadership.
- 2020 – 2022 **The Blue Record Podcast**
Role: Director of Tech Ops (2021-2022), Web Engineer (2020-2021), co-founder.
- 2020 – 2021 **The YX Foundation**
Role: Outreach/Inreach Lead.
- 2018 – 2021 **Spelbots**
Role: Outreach Curriculum Lead.

Teaching Experience

TEACHING ASSISTANTSHIPS

- Spring 2020 **CIS 121 Computer Science I: C++**
Spelman College
- Fall 2019 **CIS 123 Computer Science I: Python**
Spelman College