TITOBIOLUWA WILLIAMS
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EDUCATION

Northumbria University (Fulbright Scholar Program 2021-2022)   Newcastle, UK; September 2022
Masters of Arts in **Fashion Design**
Focus Area(s): Sustainable and Ethical

Northwestern University   Evanston, IL; June 2021
Bachelor of Arts in **Legal Studies, Segal Design Certificate,** and extensive **Computer Science** coursework | **GPA:** 3.5
Focus Area(s): Human-Centered Design, Front-End Web Development

TEACHING EXPERIENCE

Northwestern Computer Science Dept., *Teaching Assistant (Introduction to Python)*   Jan 2019 – June 2020
- Graded students' homework and exams
- Reinforced class concepts and topics through leading discussion sections and facilitating office hours
- Discussed current class topics in weekly meetings with computer science faculty and peer mentors

RESEARCH EXPERIENCE

Undergraduate Thesis - Entering the Black Box: Looking at Pretrial Assessments' Machine Learning Process
- Investigated the algorithmic transparency and algorithmic accountability of 2 leading pretrial risk assessments through audit process of local governments and content analysis of data inputs
- Selected as 1 of 8 students to present STEM research at Research Symposium to an audience of over 75 viewers
- Recognised as a Advanced Research Seminar Thesis of Distinction

Young People's Race Power and Tech (YPRPT) Project, *Tech Lead*   Sept 2020 – June 2021
- Identified professors and students' needs for a permanent repository for documentary film projects
- Designed and implemented YPRPT website using HTML, CSS, and JavaScript

Weinberg College, *Weinberg Research Grant Recipient*   June – Aug 2019
- Designed and conducted research examining gang prevention programs and their effects on suburban communities through interviews with students and program facilitators
- Dedicated 10 weeks to developing a gang prevention program for Sunset Vista Elementary

Posner Fellowship Program of Weinberg College, *Posner Fellow*   June – Aug 2018
- Directed research investigating diverging interests between environmental justice movement advocates and respective represented communities through assessment of news media, law statues, and court cases
- Communicated findings to an audience of Weinberg College faculty and wrote a 14-page paper detailing research

LEADERSHIP EXPERIENCE

Computer Science Advisory Board NU, *Board Member*   Sept 2020 – June 2021
- Nominated by CS faculty to propose department-wide initiatives and represent CS at Northwestern University
- Advocated for proposals to provide computers for low-income students and inclusion for Black/ Latinx students

BreakPoint NU, *Co-Founder and Editor*   Nov 2019 – June 2021
- Founded student journal to address the intersection of technology and ethics in Chicago
- Communicated with stakeholders to understand product need and facilitated conversation on timeline and vision
- Edited articles for grammar, in-house and associated press style facts, and consistency for 4 journal issues

Northwestern Office of Undergraduate Research, *Peer Research Mentor*   January 2019 – June 2020
- Hosted 9 workshops navigating undergraduates through research and grant application process
- Cultivated a sense of community among Northwestern's student researchers by hosting research forums

WORK EXPERIENCE

Roots, *Team Lead and Software Engineer*   Jan 2020 – June 2021
- Steered 4 team members to define a product vision and scope timelines using mixed Waterfall / Agile approach

- Designed UI and implemented web app using HTML, CSS/SASS, JavaScript
- Analyzed product landscape of current solutions to determine and prioritize product features

Google - Engineering Education Team, *BOLD Program Manager Intern*   June – Aug 2020
- Conducted user studies by defining project scope, determining success metrics, mapping stakeholders, writing interview questions, and coordinating communications to participants
- Coordinated across teams to facilitate focus groups and interviews with university students as participants
- Presented findings to colleagues and wrote appropriate documentation to maintain the longevity of the program

Tree Lab Website, *UX Designer and Front-End Software Engineer*   Nov 2019 – June 2020
- Created low-fidelity mockups, built medium-fidelity user interfaces, and facilitated 12 user interviews
- Partnered with professor to [develop](#) website using Jekyll, HTML, CSS/SASS, and JavaScript
- Leveraged Google Chrome's developer tool, Lighthouse, to score a 97 in accessibility

VOLUNTEER EXPERIENCE

Arts and Music Program for Education in Detention Centers, *Music Instructor*   Oct 2019 – March 2020
- Mentor incarcerated youth at the Cook County Juvenile Temporary Detention Center through lessons, one-on-one instruction, and supplementary programming in music composition and GarageBand techniques
- Produced songs using GarageBand to develop each student's limited album of 4 songs

SOFTWARE KNOWLEDGE

Technical: Proficient in Python, C++, HTML, JQuery, CSS, JavaScript (ES6)
Peer Mentor Portal, *Personal Project*
- Identified lack of central resource for training in Teaching Assistant onboarding process
- Worked alongside administrators and former/current TAs to develop a forum and dialogue
- [Designed](#) and built full-functionality web application with HTML, CSS, and JavaScript

SKILLS

- **Language:** Intermediate Spanish, Intermediate American Sign Language