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UI Accessibility Engineer

Dear Hiring Manager

I read with great interest about the UI Accessibility Engineer role. I recently completed my Master's degree at New York University in the Interactive Telecommunications Program (ITP) where created accessible interactive technology.

My research explored a range of emerging technology where I have over 3 years of experience as a developer, specializing in web accessibility. Previously, I worked as the Digital Accessibility Fellow at Lincoln Center for the Performing Arts, where I researched innovations in the field of digital accessibility and audited LCPA's online platforms to support their legal, programming, and accessibility departments by writing a report of compliance issues and remediation steps. My capstone project involved research in accessible digital mapping, which I developed a prototype for a compliant web map of the Lincoln Center campus.

Additionally, I worked with NYU's ITP Web Access team to create guidelines and training material for faculty, staff and work-study students to conduct digital accessibility audits and introduce assistive technology such as VoiceOver and Jaws. As a project lead, I developed a front-end interface for a project database that is fully compliant to WCAG standards.

I believe that I am a great fit for UI Accessibility Engineer position as I am well equipped to both conduct accessibility audits and reporting, as well as full stack web accessibility development. My background in development and accessibility provides me the technical skills to build and deploy accessible projects where I am comfortable with both back-end and front-end development. In addition to accessibility and engineering, I have expansive experience working in the context of art and educational institutions.

I would love the opportunity to schedule a time for us to discuss further about the UI Accessibility Engineering position and how I may complement the role. Thank you for your time and consideration.

Sincerely,

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I'm a sculptor, media scholar, and educator turned developer with over five years experience developing websites and digital design for businesses ranging from e-commerce to independent artists. I recently received my Master's degree at New York University where I researched interactive media using computer networking technology. My other interests include teaching introductory programming, digital accessibility, and making generative sound objects.

AREAS OF INTEREST

- Dynamic Web Development - React, VueJS, Flask, Postgres, MongoDB
- Operations - Automation (Bash, Python), *NIX System Administration
- Real-time Data Visualization - D3JS, Processing, P5JS,
- Digital Accessibility Standards - WCAG 2.1, Section 508

Previous Experience

2015–

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Freelance Developer
NYC, HCMC, LA, Berkeley

- Design and develop websites for business ranging from personal artists to independent publishing houses
- Implement web features including image api's to online payment procedure
- Scope timelines and specifications while coordinating with clients to meet objectives
- Work with account managers to deploy websites and test for bugs and errors

2018–

NEW YORK UNIVERSITY - ITP
Graduate Assistant – Web Accessibility Developer
New York City

- Developed a compliant front-end interface for a project database
- Developed training materials to conduct accessibility audits with assistive tech including- VoiceOver, Jaws, and Lighthouse/WAVE
- Mentor students in programming
- Assess and correct digital accessibility issues in accordance to WCAG guidelines

- 2018–2019 **LINCOLN CENTER FOR THE PERFORMING ARTS**
Digital Accessibility Fellow
 New York City
- Created an automated work process for captioning a catalog of over 1000 hours of video content
 - Create internal digital accessibility training material to promote access for a diverse customer base
 - Audited internal and external digital media of a world-class performing arts institution and write recommendations to meet WCAG 2.1 and Section 508 compliance
 - Develop a fully compliant digital map of campus accessibility features to allow for increased physical access
- 2017–2018 **HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY & EDUCATION**
Visiting Lecturer – Introductory Programming, English
 Ho Chi Minh City
- Develop an introductory English/programming curriculum in the C language for non-native English speaking students
 - Lead supplemental workshops in specialized programming topics such as web design and portfolio building
 - Collaborate with student leaders to promote extracurricular English study

Education

- 2020 **Interactive Telecommunications, Master of Professional Studies**
New York University, New York City
- 2015 **Media Studies & Art Practice, Bachelor of Arts**
University of California, Berkeley, Berkeley
- 2013 **Graphic Design, Associate of Arts**
College of the Canyons, Valencia

Projects & Workshops

- 2020 **Automating Mindfully, Technical Workshop**
Unconference at ITP NYU, New York City
- Introduction to Bash scripting language for beginner coders
 - Explore automation as a meditative practice
- 2019 **Network Operator, Performance**
NIME 2019, New York City
- Created a system of 9 networked Raspberry Pi's to create a percussive instrument
 - Developed custom servers to trigger motors based on network activity
- 2019 **Lincoln Center Campus Accessibility Map, Digital Map**
Lincoln Center for the Performing Arts, New York City
- Created a digital map of the Lincoln Center Campus that is fully compliant to WCAG 2.1 standards
 - Extended Google Maps API to incorporate WAI-ARIA features