Tasmia Chowdhury

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Github: https://github.com/tasmiachow | Portfolio: https://tasmiachow.github.io/Portfolio.github.io/

EDUCATION

CUNY Hunter College   *Expected Graduation: December 2024*
- Major: Computer Science
  - ❖ Minor: Applied Mathematics
- Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Theory, CyberSecurity

EXPERIENCE

CUNY Tech Prep, New York, NY   *Jul 2023 – Present*
Fellow, Software Development/Data Science
- Chosen for a competitive data science fellowship, developing projects with Python, Jupyter, and SQL while advancing skills in EDA, modeling, and machine learning.

Google, New York, NY   *Jul 2023 - Oct 2023*
Software Engineering Fellow
- Selected as one of 80 distinguished participants for a 10-week internship, engaging in real-world technical challenges alongside a Senior Google SWE via intensive mentoring sessions and workshops.
- Tackled intricate technical problems, honing problem-solving abilities and self-reliance to advance skills in Data Structures and Algorithm efficiency.

Barclays, Hanover NJ   *Dec 2022 - Feb 2023*
Data Engineering Intern
- Optimized credit score extraction, reducing processing time by 30% and translating technical solutions into actionable insights for senior management.
- Led daily scrum meetings to foster collaboration and align with team objectives.
- Enhanced financial trend analysis with dynamic Matplotlib visuals, improving stakeholder insights.

Digital Girl Inc., Brooklyn NY   *Jan 2018 - Sep 2024*
Program Administrator & Lead Instructor
- Developed 21 adaptable lesson plans for K-12 and senior citizens, enhancing programming and digital literacy in Python, HTML, JavaScript, Code.org, and Scratch.
- Trained and scheduled all staff to deliver engaging programming sessions, contributing to a 25% increase in participation in underserved areas through partnerships with 10+ schools and organizations.

Girls Who Code @HC, New York, NY   *Aug 2023 - Aug 2024*
Public Relations Manager
- Increased membership by 30% and grew social media followers from 200 to 450 through campaigns and visuals created with Adobe Photoshop, Illustrator, and Instagram Reels, boosting engagement by 45%.

PROJECTS

Library Record System/API   *Mar 2023*
- Created a C++ Library API to streamline book management and track checkout history, improving efficiency through OOP with a modular Book class and ArrayBag data structure.

Hand2Words   *Aug 2024 -Dec 2024*
- Developed a full-stack web app using machine learning to translate and teach ASL to English in real-time, improving accessibility through accurate gesture recognition.
- Engineered both the front-end with React and back-end with Django to create a seamless user experience, while implementing Firebase for database management to track user progress and personalize learning.

TECHNICAL SKILLS

- **Programming:** C++, HTML, CSS, Python, JavaScript, Node.js, Express, Bash
- **Technologies:** Spyder, Git/GitHub, Adobe Photoshop, Figma, Unix, Linux, Tableau, MongoDB, Firebase

LANGUAGES

- **Bilingual:** English and Bangla.