

# Tasmia Chowdhury

Mobile: (347) 272-5559 | [tasmiachowdhury123@gmail.com](mailto:tasmiachowdhury123@gmail.com) | LinkedIn: <https://www.linkedin.com/in/tasmiachow/> |  
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: Discrete Structures, Data Structures and Algorithms, Web Development, Computer Architecture, Symbolic Logic, Operating Systems, Computer Theory, CyberSecurity

## EXPERIENCE

### CUNY Tech Prep, New York, NY

*Jul 2023 – Present*

*Fellow, Software Development/Data Science*

- Selected for a competitive data science fellowship across 11 CUNY senior colleges, developing technical projects using tools like Python, Jupyter Notebooks, and SQL.
- Participate in weekly courses to learn industry best practices in exploratory data analysis, statistical modeling, feature engineering, and machine learning, improving my data science proficiency.

### 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 rating score extraction, reducing data processing time by 30%, and presented innovative solutions to senior management, effectively translating technical concepts into actionable tools.
- 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 and implemented 21 flexible lesson plans for K-12 students and senior citizens, improving foundational programming and digital literacy skills through teaching Python, HTML, JavaScript, and platforms like Code.org and Scratch.
- Trained and scheduled all staff members to deliver engaging programming sessions effectively, contributing to a 25% increase in participation in underserved areas through partnerships with over 10 schools and community organizations.

### Girls Who Code @Hunter College, 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*

- Developed a C++ Library API to manage book collections, enabling efficient check-in/out and checkout history tracking for optimized library operations.
- Implemented object-oriented programming principles with a modular Book class and ArrayBag data structure, enhancing system performance and maintainability.

### Hand2Words

*Aug 2024 -Dec 2024*

- Developed a group full-stack web application, that translates and teaches American Sign Language (ASL) to English in real-time, leveraging machine learning models for accurate gesture recognition and improving accessibility for users.
- 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, Xcode, Git/GitHub, Adobe Photoshop, Figma, Unix, Linux, Tableau, MongoDB, Firebase

## LANGUAGES

- **Bilingual:** English and Bangla.