Nicole Sosa

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EDUCATION

New York University, New York, NY   December 2023
Bachelor of Arts in Computer Science, Minor in Psychology, GPA 3.7
Relevant Coursework: Processing Big Data for Analytics Applications, Data Management & Analysis, Open-Source Software Development, Building Software Remotely, Object-Oriented Programming, Algorithms

SKILLS

- **Programming Languages:** Python, SQL, Java, JavaScript, C++, C, HTML & CSS
- **Tools:** Hadoop, Hive, Spark, SPSS, PostgreSQL, MongoDB, React JS, Tableau, Git, JIRA, Figma, Excel
- **Certifications:** CodePath Software Engineering, Udemy's How To Design for Accessibility: for UX Designers (WCAG 2.2)

EXPERIENCE

MathWorks, Natick, MA   May 2022 - August 2022
Web Content Intern
- Led the redesign of resource center webpage, resulting in a 40% increase in the overall WCAG 2.1 AA score through incorporating user feedback from UX surveys, user research, and adhering to accessibility standards
- Created and distributed an informative guide on WCAG 2.1 guidelines & provided training sessions on best practices to the IT teams, resulting in a 20% increase in web accessibility discussions among teams
- Implemented content management for 200+ company-wide resource centers web pages, collaborating with 15+ subject matter experts across the IT department to ensure comprehensive & up-to-date information

Trust Fund Registry, New York, NY   June 2021 - August 2021
Software Engineer Intern
- Contributed to the design and development of FinTech web application using Django with features such as portfolio management and transaction tracking for efficient gifting of equity investments to children
- Spearheaded redesign efforts, collaborating with stakeholders and 4 cross-functional teams to review design feedback, resulting in improved navigation structure, UI enhancements, and 50% reduction in page loading time
- Migrated prototype from Bubble platform to Django; delivered solution with improved scalability and maintainability

NYU Tandon School of Engineering, New York, NY   September 2020 - March 2021
Writing Partner (Technical Writing Tutor)
- Taught technical writing to 20 student engineers resulting in 30% average grade increase & 95% student satisfaction
- Spearheaded the creation of a shared team resource of best practices for improving analytical writing skills

PROJECTS

Oppia
Open Source Contributor

- Improved Oppia's web accessibility and functionality through code contributions alongside project administrators, and by submitting over 10 bug reports and feature requests for a better user-experience
- **Utilized:** Axe DevTools, Python, HTML, CSS, Git

Drinking Buddies   GitHub | Site
Software Engineer & Team Lead | Team of 3
- Led the design and development of a user-friendly React web application to support users on safe drinking journey
- Created a drink-recommender quiz with a 90% accuracy in suggesting drinks that best suits users' taste
- Enhanced user's safety by implementing a Blood Alcohol Content (BAC) calculator, allowing user with real-time access to their alcohol levels
- **Utilized:** React JS, Cocktail DB API, Google Maps API, HTML, CSS, Figma

LEADERSHIP ACTIVITIES

- Rewriting The Code | Member | Remote   September 2021 - Present
- Girls Who Code | Member | Remote   March 2021 - Present