

Amelia Rae Orodio

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Education

SUNY Stony Brook, Bachelor of Science in Computer Science

May 2024

Experience

Resident Assistant

Aug 2022 – May 2024

Stimson Hall, Stony Brook University

- Supervised a gender-inclusive residence hall floor with 300+ residents, supporting diverse undergraduate students and enhancing their well-being.
- Directed residents through personal and academic issues, and provided advice, assistance, and resources for their well-being and success.
- Spearheaded and administered over 20 events for residents, increasing resident engagement and building a sense of community in campus residences.

Digital Games Marketing and Education Intern

Jul 2023 – Aug 2023

NYC's Mayor's Office of Media and Entertainment

- Collaborated with the digital games team to support the planning and execution of various conventions in alignment with the office's mission such as Games for Change and Play NYC which are initiatives dedicated to gaming for social impact.
- Employed Excel's statistical qualities to assess the influence and effectiveness of multiple programs allowing for proficiency in data analysis.
- Assembled engaging presentations using PowerPoint and translated complex data into understandable visuals for a diverse audience.

Teaching Assistant

Aug 2022 – Dec 2022

CSE 214 Data Structures, Stony Brook University

- Conducted weekly, hour-long recitations to 30+ students and delivered comprehensive lessons on data structures.
- Facilitated personalized one-on-one assistance during office hours, effectively addressing diverse inquiries and elucidating complex concepts to enhance student understanding.
- Managed exam proctoring for 200+ students, fostering an equitable testing environment and offering prompt clarification to ensure a smooth examination process.

Projects

ExploreX

Sept 2023 – Dec 2023

- Developed an advanced map editing interface allowing users to upload SHP/DBF, GeoJSON, and KML files and fork existing maps on the site to name regions, attach custom data properties, and modify map graphics.
- Created map exportation in PNG, JPG, and a custom native JSON format, allowing for flexible and diverse external usage.
- Established dynamic publishing and community sharing allowing for community engagement within the users base.
- Proactively led a team setting to establish open communication, weekly deadlines, and effective debugging practices, resulting in a 20% increase in project completion rate.

Playlister

Sept 2022 – Dec 2022

- Implemented a community-oriented experience with features such as playlist privacy settings, search functionality based on usernames or playlist titles, and interactive elements like likes, dislikes, and comments.
- Engineered a dynamic video playlist feature, allowing users to effortlessly compile and enjoy customized content, with real-time updates and flexibility to skip between videos seamlessly.
- Employed in: Javascript, CSS, HTML, MongoDB, Express, React Native, NodeJS.

Work Skills

Computer: Proficient in Microsoft Office, Windows, Linux

Programming: Strong in Java, Python, HTML, CSS, Javascript, C, C++

Technologies: Experience with Git, Bootstrap, NodeJS, ReactJS, MongoDB, Express, Figma, FigJam