

Meredith Scott

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Availability: May – December 2025

EDUCATION

Northeastern University, Boston, MA | Khoury College of Computer Sciences

Sep. 2022 – Present

Candidate for a Bachelor of Science in Computer Science and Media Arts

Expected May 2026

Relevant Courses: Computer Graphics, Human-Computer Interaction, Object-Oriented Design, Algorithms & Data, Database Design, Animation 1

GPA: 3.88/4.0

TECHNICAL SKILLS

Languages: *Proficient:* Python, C#, C++, Java | *Familiar:* JavaScript, HTML, CSS, SQL
Software: Unity, Autodesk Maya, Autodesk Arnold, Blender, Adobe Suite, Microsoft Office Suite, Google Workspace
Systems: Windows, Linux
Tools & IDEs: Visual Studio, IntelliJ, Git, GitHub, MySQL, Docker, Jupyter Notebook, Figma, Node.js
Libraries & APIs: PyQt, OpenGL, React, REST APIs, NumPy, Pandas, Scikit-Learn, JUnit, JavaFx, JaCoCo

WORK EXPERIENCE

Augmented Reality Research Scholar Co-op | Northeastern University, *Boston, MA*

Jul. 2024 – Present

- Developed augmented reality prototypes in Unity with the Microsoft HoloLens 2 and MRTK to test the abilities of 3D interface design, gesture recognition, and user experience at the Northeastern Reality Design Studio.
- Conducted extensive usability testing to identify prototype errors, utilizing gesture elicitation study frameworks.
- Spearheaded an Amazon Mechanical Turk crowdsourcing survey to catalog AR representation in film, automating workflows using the IMDb API, Google Apps Script, and JavaScript to streamline data collection.
- Analyzed over 100 survey results with NumPy and Pandas and reported findings to the lab supervisor.

Software Development Intern | Nova Biomedical, *Waltham, MA*

Jul. 2023 – Aug. 2023

- Designed and implemented maintenance screens in C# for a new release of a blood glucose analyzer.
- Illustrated technical procedures in Clip Studio Paint for the screens directed by the lead software engineer.
- Troubleshooted software bugs, authored detailed test verification scripts, and managed testing workflows in Helix ALM to ensure compliance with medical device standards.

Software Quality Assurance Tester Intern | Nova Biomedical, *Waltham, MA*

Jul. 2022 – Aug. 2022

- Executed DOORS test protocols for medical device software and performed GUI ad-hoc and smoke testing, documenting results in Excel for lead SQA engineer.
- Created test scenario JSON files and testing timelines while collaborating with SQA team on framework improvements.
- Developed 10 formal test protocols for medical device releases, identifying and documenting defects in Helix tracking system.

PROJECTS

Image to Palette Krita Plugin | Python, PyQt, Krita API 

Jul. 2024

- Designed and implemented a Krita plugin to dynamically generate and manage color palettes from images, enhancing digital artists' workflows with an intuitive PyQt-based UI.
- Implemented robust functionality for saving, loading, and regenerating palettes, integrating JSON for cross-session persistence and drag-and-drop capabilities.
- Streamlined color extraction and palette visualization using Krita's API, improving usability for end users.

Animation Production Plan Generator | TypeScript, JavaScript, React, OpenAI 

Feb. 2024 – Apr. 2024

- Developed a web application with a team that generates tailored production plans for animation students and creatives using the OpenAI API, reducing reliance on manual spreadsheet management.
- Conducted user research with capstone students to identify frustrations with existing tools.
- Integrated features like CSV export, project history tracking, and custom spreadsheet styling, creating intuitive user experience for planning animation projects.

LEADERSHIP AND INVOLVEMENT

Treasurer | Northeastern University Animation Club, *Boston, MA*

Apr. 2024 – Present

- Overseeing all club finances by tracking spending in Excel, presenting budget requests, submitting spending reports, and communicating with the Northeastern Finance Board.
- Calculating costs for large-scale events such as professional guest speakers, field trips, workshops, and film festivals.

Greeter Volunteer | Massachusetts Independent Comic Expo (MICE), *Boston, MA*

Dec. 2024

- Welcomed attendees at convention entrance, assisting with inquiries while ensuring a smooth and friendly check-in process.
- Monitored attendance and enforced health guidelines by informing attendees of mask requirements.

INTERESTS

- Animation, mixed reality, entrepreneurship, illustration, creative writing, hiking, kayaking, traveling