

# Meredith Scott

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## 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 I  
**Honors:** *Dean's Scholarship, Dean's List, Thomas Gross Scholarship* **GPA: 3.88/4.0**

## COMPUTER KNOWLEDGE

- **Languages:** *Proficient:* C++, Python, C#, Java | *Familiar:* SQL, JavaScript, HTML, CSS, Racket
- **Software:** Unity, Autodesk Maya, Autodesk Arnold, Blender, Adobe Suite, Microsoft Office Suite
- **Systems and IDEs:** Windows, Linux, GitHub, Visual Studio, IntelliJ, MySQL, Docker, Jupyter Notebook
- **Libraries:** React, PyQt, JUnit, JavaFx, JaCoCo, NumPy, Pandas, Scikit-Learn

## WORK EXPERIENCE

**Augmented Reality Research Scholar Co-op** | Northeastern University, *Boston, MA* Jul. 2024 – Dec. 2024

- Developed augmented reality prototypes in Unity with the Microsoft HoloLens to test the abilities of 3D interface design, gesture recognition, and user experience at the Northeastern Reality Design Studio.
- Conducted usability testing to identify prototype errors, utilizing gesture elicitation study frameworks.
- Led an Amazon MTurk crowdsourcing survey to catalog AR representation in film, employing the IMDb API, AWS, Google Apps Script, and JavaScript to create an automated survey system.


**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 test protocols for medical device software, reporting results to the lead SQA engineer.
- Collaborated in developing test scenario JSON files to support the software quality assurance team.
- Authored 10 comprehensive test protocols for future formal test releases for a medical device.

## 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.
- Developed robust functionality for saving, loading, and regenerating palettes, integrating JSON for crosssession 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

- Managing club finances by 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, and film festivals.

**Social Media Manager** | Northeastern University Animation Club, *Boston, MA* Apr. 2023 – Apr. 2024

- Lead social media campaigns to promote club engagement and activity across networking platforms.
- Coordinated with the club leadership team to organize events within the Boston arts community.

## INTERESTS

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