

Allison Reel

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EDUCATION

Smith College Northampton, MA	Aug. 2021 – May 2025
Bachelor of Arts Major in Computer Science, Minor in Landscape Studies, GPA 3.87	
Codepath Intermediate Web Development Course	Sept. 2024 – Dec. 2024
Codepath Intermediate Technical Interview Prep Course	June 2023 – Aug. 2023
Cornwall Central High School New Windsor, NY	Sept. 2017 – June 2021

SKILLS

- **Programming Languages:** Python, Java, JavaScript, TypeScript, C, Assembly, R
- **Tools & Frameworks:** Git, Angular, React, HTML, CSS, CUDA, Blender, ArcGIS Online, ArcGIS Pro

EXPERIENCE

Smith College Cho Lab - Student Researcher Northampton, MA	Sept. 2024 – May 2025
<ul style="list-style-type: none">• Develop landmark locator algorithms using Python Pandas library and RIPE Atlas data to improve the efficiency of active geolocation by reducing the number of landmarks required to accurately locate a set of target IP addresses	
M&T Bank - Software Engineer Intern Buffalo, NY	June – Aug. 2024
<ul style="list-style-type: none">• Utilized Angular 18 framework to develop and test a mortgage web application that modernizes and combines 4 existing applications previously implemented in .NET• Collaborated with team members during standup and sprint planning meetings following the agile framework	
Smith College Music Department - Music Office Assistant Northampton, MA	Sept. 2022 – May 2025
<ul style="list-style-type: none">• Maintain front office and monitor music department email to respond to questions, RVSPs, and form responses	
Smith College Greenway Lab - Student Researcher Northampton, MA	Sept. 2023 – Dec. 2024
<ul style="list-style-type: none">• Assisted the mission of supporting the Mill River Greenway through spatial analysis and mapping using GIS programs	
Smith College Music Department - Student Event Manager Northampton, MA	Feb. 2022 – Dec. 2024
<ul style="list-style-type: none">• Oversaw front of house by keeping track of audience member count and assisting with patrons needs and questions• Communicated with performers and assist in setting up performance stage, working stage door, and venue lighting	
Tory Burch - Sales Support Central Valley, NY	July 2023 – Jan. 2024
<ul style="list-style-type: none">• Used computer system to create, update, and verify customer accounts for brand marketing purposes• Took payment via cash or card and issue receipts, change, store credit, or refunds to customers	

PROJECTS

Commemorative StoryMap of 1874 Mill River Flood ArcGIS & ArcGIS StoryMaps	StoryMap
<ul style="list-style-type: none">• Consulted with local historians to create an interactive walking tour map that highlights key historic locations	
3D Animation Loop WebGL JavaScript & Blender	GitHub
<ul style="list-style-type: none">• Designed and implemented a 3D animation loop to showcase the integration of Blender models into JavaScript	
Text-Based Escape Room Game Java & Google Guava Library	GitHub
<ul style="list-style-type: none">• Programmed a text-based escape room game, including in-game puzzles and narrative story elements, utilizing the Guava Library to model the graph data structure	
Editable Visual Calendar Python Graphics Library	GitHub
<ul style="list-style-type: none">• Developed a user-friendly calendar application that includes drag-and-drop functionality and ability to read from or write to a file	

ACTIVITIES

Smith College Campus Planning Committee Student Representative	Sept. 2023 – May 2025
<ul style="list-style-type: none">• Inform and advise campus construction and design projects through the Smith College Landscape Master Plan ideals	
Robotics Outreach Initiative Curriculum Team Member	Jan. 2023 – Dec. 2024
<ul style="list-style-type: none">• Created and designed outreach program curriculums to teach engineering and computer science fundamentals	