Allison Reel

New Windsor, NY • 845-238-6803 • areel2003@gmail.com • www.linkedin.com/in/AllisonReel • https://github.com/areel321

EDUCATION

Smith College | Northampton, MA
Aug. 2021 – Graduation May 2025
Bachelor of Arts Major in Computer Science, Minor in Landscape Studies, GPA 3.84

Codepath Introduction to Web Development Course — Feb. 2024 – May 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, C++, Assembly
- **Tools & Frameworks:** Git, Angular, HTML, CSS, WebGL, Blender, ArcGIS Online, ArcGIS Pro
- **Relevant Course Topics:** Networking protocols (TCP/IP), Data Structures, Algorithms, Object-Oriented Programming

PROJECTS

Commemorative StoryMap of 1874 Mill River Flood | ArcGIS — Fall 2023 – Spring 2024
- Consulted with local historians to create an interactive walking tour map that highlights key historic locations

3D Animation Loop | WebGL JavaScript & Blender — Spring 2023
- 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 — Spring 2022
- 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 — Fall 2021
- Developed a user-friendly calendar application that includes drag-and-drop functionality and ability to read or write to or from a file

EXPERIENCE

M&T Bank - Technology Internship Program | Buffalo, NY — June – Aug. 2024
- Utilized Angular 18 framework to develop and test a late stage 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 – Present
- Maintain office operations and monitor music department email to respond to questions, RVSPs, and form responses

Smith College Music Department - Student Event Manager | Northampton, MA — Feb. 2022 – Present
- Oversee front of house by keeping track of audience member count and assisting with patrons needs and questions
- Communicate 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
- 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

ACTIVITIES

Smith College Cho Lab | Student Researcher — Sept. 2024 – Present
- Research and test landmark locator algorithms to improve the efficiency of active geolocation by reducing the number of landmarks required to accurately locate a set of targets

Smith College Campus Planning Committee | Student Representative — Sept. 2023 – Present
- Inform and advise campus construction and design projects through the Smith College Landscape Master Plan ideals

Smith College Greenway Lab | Student Researcher — Sept. 2023 – Present
- Assist the lab's mission of supporting the Mill River Greenway through spatial analysis GIS projects

Robotics Outreach Initiative | Curriculum Team Member — Jan. 2023 – Present
- Build outreach program curriculum to teach the engineering process and computer science fundamentals