

Benson Haley

CONTACT

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EDUCATION

- Rochester Institute of Technology
 - Pursuing Bachelor & Master of Science in Computer Science
 - Expected Graduation: December 2025
 - Graduate GPA: 4.0 | Undergraduate GPA: 3.94
 - Capstone Thesis advancing the field of Gaussian Splatting
 - Minor in Theatre Arts

EXPERIENCE & PROJECTS

- Software Engineer at [Distributed Logic Corp](#) (2023 - 2024)
 - Designed and implemented RAG-based AI assistants with a secure credential framework to allow retrieval of user-specific information.
 - Developed metadata extraction solutions and a QA testing application to support file migrations using TypeScript, SQL, and PowerShell.
 - Constructed SPFX SharePoint extensions with TypeScript and React.
- Londronic Tapestry (2025)
 - Built an interactive musical [experience](#) using Godot in collaboration with the Royal College of Music for a concert installation in London.
- Framework for Live XR Performance (2024)
 - Worked with a team of students to create a framework to facilitate live virtual-reality-enabled theatrical performances.
- JavaScript Web Extensions (2021 - 2022)
 - Developed an extension to scrape RPI SIS information into JSON data so advisors can create visual aids and perform statistical analyses.
- Game Hacking (2020 - 2021)
 - Modified the hit Nintendo game New Super Mario Bros Wii using C++ and some assembly to inject custom actors and levels into the game.

SKILLS

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|-----------------------------|----------------------------|------------------|
| • C++ | • Graphics Programming | • SQL |
| • Python 3 | • Machine Learning | • CUDA |
| • TypeScript (& JavaScript) | • Web Development & Design | • SYCL |
| • C | | • OpenMP |
| • C# | | • React |
| • Java | | • Vue (& Quasar) |
| | | • Godot |

AWARDS & RECOGNITIONS

- Handpicked theatrical costar to [President of RIT Dr. David Munson](#) (2024)
- Dean's List (2021 - 2024)
- RIT Creativity and Innovation Award (2020)
- Devil's Advocate Award for Excellence in Journalism (2020)

HOBBIES & INTERESTS

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|---------------------------------|---------------------|
| • Game Modding | • Tae Kwon Do |
| • Theatre & Musical Performance | • Indoor Bouldering |