Benson Haley

CONTACT

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EDUCATION

- **Rochester Institute of Technology**
  - Pursuing **Bachelor & Master of Science** in **Computer Science**
  - Graduate GPA: 4.0
  - Undergraduate GPA: 3.94
  - 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

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

- Game Modding
- Theatre and Musical Performance
- Reading
- Tae Kwon Do
- Gymnastics
- Indoor Bouldering