

Daniel Grinshpon

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OBJECTIVE

Programmer looking to expand and apply my knowledge of computer science and engineering, as well as apply my skills by finding career or research opportunities.

SKILLS

- **Languages:** Haskell, ReasonML, Javascript, C, C++, C#, Java, Lua
- **Tools:** Git, Cabal, Nix, Unity, Blender, Love2d, Revery, \LaTeX
- **Operating Systems:** Linux (Mint, Debian, CentOS, Void), Windows (7,10)

EXPERIENCE

Layer 3 Communications Atlanta, GA

May 2019 - August 2019

Intern

- Developed a tool to automate provisioning of optical network terminals (ONTs).
- Primarily written in Haskell, with parts of the frontend web app written in Javascript.
- Project was for one of the company's clients: an ISP in Tennessee.

Georgia State University Math Department Atlanta, GA

September 2018 - February 2020

Student Assistant

- Helped tutor and supervise a computer lab used for hybrid math courses.
- Administered quizzes and tests.
- Used software to record student enrollment and attendance.

Georgia State University Computer Science Department Atlanta, GA

February 2020 - March 2021

Student Assistant

- Working with research program, helping in setting up servers and services.
- Working with iRods, and utilizing its rules language.
- Added and fleshed out documentation.

PROJECTS

- **Foray:** A stack-based concatenative interpreter, written in Zig.
- **Nomad Space:** A 3d software renderer, written in C++.
- **Pine:** Functional 2D Game Framework written in Haskell. Inspired by CodeWorld.
- **Raycaster:** A raycasting demo written in C with Gunslinger framework, inspired by Wolfenstein3D.
- **Mask Off:** Stealth game demo made during Spooktober jam, using Unity engine.
- More projects can be viewed on github.com/Grinshpon, codeberg.org/Grinshpon, and tetrad-softworks.itch.io

EDUCATION

Georgia State University

Expected Graduation May 2023

B.S in Computer Science

Coursework: Principle of Computer Science, Data Structures, Computer Organization and Programming, System Architecture, Software Engineering, Discrete Mathematics, Linear Algebra

ACTIVITIES

- **GSU Hackathon:** 2019, Received first place in our group's category
- **GSU Math & Stat Club:** 2018-2020
- **COMAP** 2016, 2017