Daniel Grinshpon

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OBJECTIVE

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

EDUCATION

Georgia State University   *Expected Graduation May 2022*
B.S in Computer Science
Coursework: Principle of Computer Science, Data Structures, Computer Organization and Programming, System Architecture, Software Engineering, Discrete Mathematics, Linear Algebra

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 - Present*
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.
- **Volk3D**: A raycasting demo written in Lua with Love2D, inspired by Wolfenstein3D.
- **Running Low**: Game demo made during the Ludum Dare jam, using Love2d.

ACTIVITIES

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

SKILLS

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