Hunter William King

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https://github.com/HunterKing

SKILLS

Experienced Programming Languages: Java, Python, Lua
Proficient Programming Languages: Bash, C, C++, NodeJS
Operating Systems: Windows 10, MacOS, Debian Linux (Including Headless)

EDUCATION

Computer Science, BS *July 2017 - May 2021*
Appalachian State University, Boone, NC

PROJECTS

Game Boy Emulator in C++
Capstone project developed in conjunction with partner Joseph Story, chosen to develop stronger computer systems and microarchitecture skills. Can load a Game Boy Boot ROM and run Game Boy assembly.

Discord Bot in NodeJS
Written to display images as well as some popular videos among friends. Originally written in python, re-written in NodeJS for a learning experience, which proved to be a more modular structure.

Polynomial Calculator in Haskell
Developed as a team project with partner Joseph Story. Can apply all basic arithmetic operations (add, subtract, multiply, divide) onto a polynomial function expressed as a tuple list of coefficient-power pairs.

EXPERIENCE

Software Engineering Contractor February 2021 - Present
Extreme Fridge Entertainment LLC, Charlotte, NC

- Develop, market, and sell commercial assets for use in Roblox games on a fixed timeline.
- Utilize both in-engine and custom physics implementations to create robust user interactions.
- Design secure software by utilizing client-server separation.
- Apply software engineering techniques in order to make assets configurable by non-technical clients.

Inventory Management June 2020 - August 2020
Gap Inc., Charlotte NC

- Operate in a team receiving shipments weekly.
- Organize and display restock and new product shipments.