Daniel Moylan

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Undergrad student and programmer with 9+ years of experience and study. Due to school committments, I am seeking part-time (20-30 hrs) work, and am available every day except Tues/Thurs. I've recently completed professional coding projects, and led such efforts among my friends. I'm looking forward to applying my skills in the workforce.

Education

University of Maryland, College Park
- Expected Graduation Dec 2023
- Computer Science and Mathematics Double Major
- Dean's list for two semesters

Work Experience

Howard Country Food Bank (Apr 2019 – May 2019)
- Stocked food supplies, managed inventory
- Served recipients of food and instructing them on obeying guidelines

Elkridge Food Bank (Mar 2019 – May 2019)
- Helped customers stock their bags with their selection of food

Sonic Drive-In (Jan 2020 – Feb 2020)
- Greeted customers and processed their orders
- Prepared drinks, milkshakes, and brought food to customers
- Left the job early due to COVID concerns

Self Employment

Personal Site (2020 – Jan 2023)
- Learned WebGL and a significant amount about graphics programming
- Heavily utilized WebGL to create the landing page.
- Debugged WebGL specific issues to render it cross-platform
- Set up a secure AWS / Node server to host.

Text Editor (June 2022 – Jan 2023)
- Wrote a functional text editor in C
- Used a debugger (GDB) to debug this app andlater leetcode problems

HTTPS Server (Nov 2022 –)
- Learned more about Rust and Cargo
- Will use OpenSSL bindings for Rust to ensure security

Job App Autofill (Sep 2022 – Oct 2022)
- Worked with a team of four people to implement an autofilling utility
- Used Github and other methods to keep track of issues
- Thus far, implemented a blocker utility to examine fields of POST requests
- Later figured out this idea is similar to Simplify, found at simplify.jobs

Tales of the Wasted West Website (Feb 2022 – Jun 2022)
- thewastedwest.rf.gd
- Implemented CSS animations alongside a parallax WebGL effect
- Found and used a free hosting service to save the podcast money

Mlang (2020 –)
- Implemented a lexer in Go as an exercise to test out the language
- Wrote a series of unit tests for the lexer, learned about Go's testing utilities
- Currently implementing a parser

Operating System (2015 – 2019)
- Wrote a 32 bit kernel-level application with x86 Asm in high school
- Manually implemented a bootloader, interrupt/exception handlers, and a basic, directly-mapped page table
- Plans to implement memory management and task handling

Awards

QuHacks Competition
- Our team (myself and Jonas Lorincz, a peer) won first place in the QuHacks Hackathon
- Designed a website that imports data from Cavnas, our school calendar, and Google Calendar to help users schedule their time to complete assignments

Science Olympiad
- 2nd place for a Rube Goldberg machine of my design

Skills

Skill	Rating		Skill	Rating
Ubuntu	●●●●●		Java	●●●●○
Web Dev	●●●●○		Unit Testing	●●●●○
JavaScript	●●●●○		Rust	●●●●○
Audio Edit	●●●●○		C++	●●●●○
C	●●●○○		GoLang	●●●●○
AWS	●●●○○		RAID	●●●●○
Bash	●●●●○		Unity (C#)	●●●○○
Python	●●●●○		Haskell	●●●●○
NodeJs	●●●●○		Lua	●●●○○
GIMP/Image	●●●○○		GDB	●●●●●
Asm	●●●○○		OCaml	●●●●○
Video Edit	●●●○○		Ruby	●●●●○