Ben Lepsch

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Objective

Seeking a full-time software development position starting August/September 2024

Education

- UVA Engineering School class of 2024, Computer Science major, 3.1 GPA (3.3 Major GPA)
- Relevant Coursework: Operating Systems, Compilers, Defense Against the Dark Arts, Computer Networks, Programming Languages for Web Applications

Experience

- Virginia Cyber Navigator Internship, Election Security, (05/2023) - (08/2023)
- UVA Biocomplexity C4GC Summer Research Program, Research Assistant, (05/2022) - (08/2022)
- Mircea Stan's Lab, UVA/Charlottesville, RFID reader/LoRaWAN developer, (05/2021) - (09/2021)
- Grome, UVA/Charlottesville, ESP programmer/app developer, (02/2020) - (05/2020)
- Hilary Bart-Smith's Lab, UVA/Charlottesville, Particle developer, (06/2019) - (09/2019)

Personal Projects

- Drawbot: collaborated with two other UVA students to write code to control a 3D-printer style automated signature machine and wrote a python script to modify .GCODE files for the machine input
- Grome: collaborated with two other UVA students to design and build a phone-controlled automated plant-watering system
- Discord bot that saves messages to a channel, provides a command line interface to send arbitrary messages to any channel in any server the bot is in, and lets users play minesweeper
- Bean jump: a browser-based clone of Papi Trampoline

Skills

Python, C/C++, Java, HTML/JavaScript/CSS, MySQL, Bash, django, nodejs, Raspberry Pi, Arduino, ESP8266, Particle Photon, Rivanna (UVA supercomputer), Windows & Linux systems, SolidWorks CSWA, Git & GitHub, Wireshark, basic experience wiring circuits & soldering, Chrome/Firefox extensions, Auto repair, Rock climbing, Guitar

Awards and Honors

- UVA Engineering Rodman Scholar
- Grome project won the UVA Entrepreneurship Cup and $20,000