Joel O. Savitz

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EDUCATION

Bachelor of Science, Computer Science and Mathematical Sciences
University of Massachusetts Lowell, Lowell, MA — Fall 2020
Honors College, Honors Fellowships, Dean's list — GPA: 3.99

SKILLS

Languages: C (standard and GNU), C++ (2011 standard), Python (2 and 3), Bourne shell, Bourne-again shell, x86_64 and x86 assembly language, LaTeX, markdown, GNU Make, exposure to rust, javascript, ruby, GNU autotools
Git, GDB, valgrind, vim, vim plugins, GitHub, GitHub pages, HTML+CSS
Operating Systems: Linux, Windows, Unix-like OSs (e.g. macOS).
Linux Distributions: Arch, RHEL, Fedora, Ubuntu, ChromeOS.
Other: Office Software (Google Drive, MS Office, Libreoffice), effective oral and written communication, tech support, computer hardware, web hosting systems, domain configuration, patience

EXPERIENCE

Software Engineer — January 2022 to Present
Associate Software Engineer — February 2021 to December 2021
Linux Kernel Engineering Cooperative Internship — January 2019 to January 2021
Red Hat/IBM, Red Hat Enterprise Linux Core Kernel Team Westford MA
- Developing and debugging Red Hat Enterprise Linux
- Backporting patches from upstream into RHEL
- Contributing to Free and Open Source Software
- Contributing to the Linux Kernel
- Created and run the KDLP program (https://kdlp.underground.software/)
- Created and teach a novel university course at multiple universities around the world

Developer and Research Assistant — November 2017 to December 2018
University of Massachusetts Lowell, Engaging Computing Group research laboratory
- Worked on IoT sensor network project to analyze salinity in groundwater following storm surge
- developed and demonstrated examples of distributed games on IoT devices for educational purposes
- Researched and developed innovations in computer science education
- Co-authored research paper on virtual reality for education, Published at SIGCSE 2019

Co-Founder and President — April 2016 to Present
TechSimple, Newton MA
- Solving technology problems of those who grew up before the age of computers and smartphones
- See http://techsimple.co for more information
- Not very active since starting full-time engineering work