Joel O. Savitz

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EDUCATION

Bachelor of Science, Computer Science
University of Massachusetts Lowell, Lowell, MA   Spring 2021
Honors College, Honors Fellowships, Dean's list   GPA: 3.98

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
Tools: 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

Linux Kernel Engineering Cooperative Internship   January 2019 to Present
Red Hat/IBM, Red Hat Enterprise Linux Core Kernel Team, Westford MA
- Developing and debugging Red Hat Enterprise Linux.
- Contributing to Free and Open Source Software
- Contributing to the Linux Kernel
- Automating all things that can be automated

Developer and Research Assistant   November 2017 to December 2018
Engaging Computing Group research laboratory, University of Massachusetts Lowell
- Worked on IoT sensor network project to analyze salinity in groundwater following storm surge
- Developing and demonstrating examples of distributed games on IoT devices for educational purposes
- Researching and developing 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

Research Associate and Personal Assistant   August 2016 to April 2017
Professor Marcia Feld, Newton MA
- Took dictation and notes from former professor of city planning and turned them into a digital format
- Co-authored a report on the housing situation in Newton for members of the Jewish Community based on a survey from early 2016
- Worked with city planners from the City of Newton
- Managed email communications and general office organization