

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: 3.98

SKILLS *Languages:* C (standard and GNU), C++ (2011 standard), Python (2 and 3), Bourne shell, Bourne-again shell, x86_64 and x86 assembly language, L^AT_EX, 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
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

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