

# Joel O. Savitz

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10 Harrington St  
Newton, MA 2460  
+1 (857) 231-0637 — joelsavitz@gmail.com — github.com/theyoyojo  
joelsavitz.com

**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<sup>A</sup>T<sub>E</sub>X, 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**      *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