

# Joel Savitz

10 Harrington St, Newton, MA 02460

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## Education:

University of Massachusetts Lowell  
Bachelor of Science in **Computer Science**  
Honors College, Honors Fellowship, Dean's List

Lowell, MA  
May 2021  
GPA: 3.96

## Projects:

SLang: A project that evolved into a mathematical expression parser written in Python  
Classism: A proof-of-concept for the implementation of C++ like object access in C using preprocessor directives  
Evil Hangman Plus Plus: A rewrite of Evil Hangman in C++  
Evil Hangman: Project for Computing II class, done in a week

## Experience:

Developer and Research Assistant, Engaging Computing Group, UMass Lowell November 2017 to Present

- Leading group of three developers creating a sensor network for analysis of salinity in groundwater
- 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, accepted to SIGCSE 2019

Co-Founder and Owner, TechSimple April 2016 to Present

- 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

- 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, available in digital PDF format on request; printed copies are available for purchase
- Worked with city planners from the City of Newton
- Managed email communications and general office organization

Teacher's Assistant, Newton North High School September 2015 to June 2016

- Developed leadership skills teaching immigrant students English and other skills
- Demonstrated communication skills by explaining English concepts
- Worked with students from many ethnic backgrounds, including Chinese and South American

## Skills:

- Proficient in C, C++, Python, HTML, CSS, Git, Vim, experience with Javascript, Ruby, and LaTeX
- Experience working with and solving the technology problems of older adults
- Experience setting up domain names and dealing with basic web hosting
- Proficient with Windows, MacOS, and Linux systems, as well as computer hardware
- Proficient in Microsoft Word, Excel, and Powerpoint

## References:

Available on request.