

# Jacob M Potter

Software Engineer

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EDUCATION	<b>Rochester Institute of Technology</b> , Rochester, NY <i>Bachelor of Science</i> , Computer Science, June 2021 <i>Dean's List</i> - Golisano College of Computing and Information Sciences	<b>2016-2021</b> GPA: 3.59
PROJECTS	<b>Deepnet</b> (C, OpenGL) Multi-purpose four layer cli deep learning neural network using backpropagation and sigmoid activation integrated with OpenGL for synapse delta visualization. Also allows for importing and exporting trained synapses.	<b>Current</b>
	<b>MIPS R2K module analyzer/editor</b> (C) Reads all sections of R2K load or object module into dynamic memory, extracts the data and then displays in human readable form. The option to edit the binary data in place and then write it out is also available.	<b>2017</b>
	<b>L.L.U.V.</b> (Python 3.5) L.L.U.V. (Linux Live USB Vending) is an easy to use front end tui for the *nix command dd. The project is available on Python Pip.	<b>2017</b>
	<b>AST-Developer</b> (Java 8, CSS) Developer that allows users to create a flow of instructions with an easy to use interface which is then converted to abstract syntax trees. Similar to MIT Scratch.	<b>2016</b>
COMPUTER SKILLS	<b>Languages:</b> C(std=99), Python(2.7-3.5), Java(8). <b>Networking and Security:</b> Cisco-3550, Wireshark, Nmap, Metasploit. <b>Applications:</b> gcc, clang, gdb, valgrind, git, JetBrains Suite. <b>Operating Systems:</b> Gnu+Linux, Unix, Mac OSX, Windows, Android.	
EXPERIENCE	<b>Receiving Department</b> <i>Whalley Computer Associates</i> Worked in a corporate environment while being responsible for receiving and keeping track of high dollar value computational product for customers who varied from institutions to computing security companies.	<b>Summer 2017</b> Southwick, MA
	<b>IT Intern</b> <i>Belchertown IT Department</i> Performed tasks such as repairing computational devices, imaging and setting up devices, helping school staff with both hardware and software issues. Planned and executed the creation of the student help desk system within the public high school.	<b>Summer 2016</b> Belchertown, MA
ACTIVITIES	<b>Computer Science House</b> (organization) A special interest house at RIT which encourages group collaboration on technical projects as well as provides a constructive social environment. <a href="https://csh.rit.edu">https://csh.rit.edu</a> <b>Events:</b> CRTS (Red team Blue team), Opcommation (Hackathon), etc.	<b>Current Member</b>
	<b>Other Interests/Activities</b> MLH Brick Hack, Geocaching, Snowboarding, Archery, Lock picking, Boy Scouts.	