

Jacob M Potter

Software Engineer

OBJECTIVE	Obtain a challenging computing co-op or internship for the summer of 2018.	
CONTACT	jmp1617@rit.edu (413) 335-7767	jacob-potter.com github.com/jmp1617
EDUCATION	Rochester Institute of Technology , Rochester, NY <i>Bachelor of Science</i> , Computer Science, May 2021 <i>Dean's List</i> - Golisano College of Computing and Information Sciences	2016-2021 GPA: 3.59
PROJECTS	Deepnet (<i>C</i> , <i>OpenGL</i>) Multi-purpose four layer CLI deep learning neural network. Uses backpropagation and sigmoid activation. Features include importing and exporting trained synapses and live OpenGL synapse delta visualization.	Current
	MIPS R2K module analyzer/editor (<i>C</i>) Reads all sections of R2K load or object module into dynamic memory, extracts the data, and then displays in human readable form. Provides the option to edit the binary data in place and then write it out.	2017
	L.L.U.V. (<i>Python 3.5</i>) L.L.U.V. (Linux Live USB Vending) is an easy to use front-end TUI for the Linux command dd. Published on Python Pip. Uses npyscreen for graphics.	2017
	AST-Developer (<i>Java 8</i> , <i>CSS</i>) Program that allows users to create a flow of instructions with an easy to use interface which is then converted to abstract syntax trees. Inspired by MIT Scratch.	2016
COMPUTER SKILLS	Languages: C 99, Python (2.7-3.5), Java 8. Networking and Security: Cisco-3550, Wireshark, Nmap, Metasploit. Compilers and Tools: GCC, Clang, GDB, Vim, Valgrind, Git, JetBrains Suite. Operating Systems: GNU+Linux, Mac OSX, Windows, Android.	
EXPERIENCE	Receiving Department <i>Whalley Computer Associates</i> Responsible for receiving and inventory of high dollar value computational products for customers. Customer base ranged from large corporate institutions to medium computing security companies. Worked in a team based corporate environment.	Summer 2017 Southwick, MA
	IT Intern <i>Belchertown IT Department</i> Tasked with repairing computational devices, imaging and setting up devices, as well as assisting school staff with both hardware and software issues. Planned and implemented the student help desk system for the high school.	Summer 2016 Belchertown, MA
ACTIVITIES	Computer Science House (<i>organization</i>) A special interest house at RIT which encourages group collaboration on technical projects and provides access and funds to develop those projects. Members have access to 3D printers, a member run server room, electrical prototyping resources, etc. Events: CRTS (Red team Blue team), Opcommation (Networking Hackathon).	Current Member
	Other Interests/Activities MLH Brick Hack, Geocaching, Snowboarding, Archery, Lock picking, Biking, Hiking.	