Jacob M Potter *Software Engineer*

OBJECTIVE Obtain a challenging computing co-op or internship for the summer of 2018.

CONTACT

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EDUCATION

Rochester Institute of Technology, Rochester, NY **2016-2021**
Bachelor of Science, Computer Science, May 2021 GPA: 3.59
Dean's List - Golisano College of Computing and Information Sciences

PROJECTS

Deepnet *(C, OpenGL)(github.com/jmp1617/deepnet)* **Current**
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.

MIPS R2K module analyzer/editor *(C)(github.com/jmp1617/lmedit)* **2017**
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.

L.L.U.V. *(Python 3.5)(github.com/jmp1617/LLUV)* **2017**
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.

AST-Developer *(Java 8, CSS)(github.com/jmp1617/ast-developer)* **2016**
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.

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 **Summer 2017**
Whalley Computer Associates Southwick, MA
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.

IT Intern **Summer 2016**
Belchertown IT Department Belchertown, MA
Tasked with repairing computational devices, imaging and setting up devices, as well as asisting school staff with both hardware and software issues. Planned and implemented the student help desk system for the high school.

ACTIVITIES

Computer Science House *(organization)(csh.rit.edu)* **Current Member**
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).

Other Interests/Activities
MLH Brick Hack, Geocaching, Snowboarding, Archery, Lock picking, Biking, Hiking.