Jacob M Potter *Software Engineer*

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EDUCATION

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

PROJECTS

Deepnet *(C, OpenGL)* — **Current**
Multi-purpose four layer cli deep learning neural network using backpropegation and sigmoid activation integrated with OpenGL for synapse delta visualization. Also allows for importing and exporting trained synapses.

MIPS R2K module analyzer/editor *(C)* — **2017**
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.

L.L.U.V. *(Python 3.5)* — **2017**
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.

AST-Developer *(Java 8, CSS)* — **2016**
Developer that allows users to create a flow of instructions with an easy to use interface which is then comverted to abstract syntax trees. Similar to MIT Scratch.

COMPUTER SKILLS

Languages: C99, Python(2.7-3.5), Java 8.
Networking and Security: Cisco-3550, Wireshark, Nmap, Metasploit.
Applications: gcc, clang, gdb, valgrind, git, Jetbrains Suite.
Operating Systems: GNU+Linux, Unix, Mac OSX, Windows, Android.

EXPERIENCE

Recieving Department — **Summer 2017**
Whalley Computer Associates — Southwick, MA
Worked in a corporate environment while being responsible for recieving and keeping track of high dollar value computational product for customers who varied from institutions to computing security companies.

IT Intern — **Summer 2016**
Belcertown IT Department — Belchertown, MA
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.

ACTIVITIES

Computer Science House *(organization)* — **Current Member**
A special interest house at RIT which encourages group collaboration on technical projects as well as provides a constructive social environment. https://csh.rit.edu
Events: CRTS (Red team Blue team), Opcommation (Hackathon), etc.

Other Interests/Activities
MLH Brick Hack, Geocaching, Snowboarding, Archery, Lock picking, Boy Scouts.