

Julie Hakimi

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Education

Rensselaer Polytechnic Institute: GPA: 3.68

August 2021 - May 2024

B.S. Computer Science, Computer and Systems Engineering

Troy, NY

- *Prior Coursework:* Introduction to Algorithms, Computer Architecture Networks and Operating Systems, Introduction to Electronics, Signals and Systems, Operating Systems, Principles of Software, Database Systems

- *Current Coursework:* Modern Binary Exploitation, Microprocessor Systems, Network Programming, ECSE Capstone

Projects

appdwarf: Tool to compress and run programs using DwarFS[Bash] github.com/Phantop/appdwarf February 2021 - May 2023

- Provides an Appliance-compatible tool utilizing the fast, highly compressed DwarFS filesystem to compress Linux software

RPI Undergrad Research: Focused on Linux cold tiered memory compressibility under Prof. Tong Zhang July 2023 - Present

MVP Healthcare: Worked in a team to develop a pharmacy desert visualization [Python] mvphealthcare.com August 2023 - Present

Quatalog: A tool to show when RPI courses have been previously offered [C++/JS/Dart] quatalog.com December 2022 - May 2023

- Displays all past semester offerings of a given course, including previous professors and class sizes

- Co-developer alongside two other students, worked on full site rewrite in early 2023

RPI Intro to Engineering Design: Worked in a team to develop a prototype neo-natal incubator. [Arduino/C] June - August 2023

RSSBridge: Developer of multiple 'bridges' to ease website access [PHP]

rss-bridge.org

April 2023 - Present

Solus Project: Maintained multiple packages for the Solus Operating System [YAML]

getsol.us

June 2020 - May 2023

Arithme.Tech: HackRPI educational game entry by a 4-person team [C#]

Won first prize in November 2021

Work Experience

Galil Foods:

June 2021 - August 2021, May 2022 - August 2022

Electrical and Computer Systems Intern

Hauppauge, NY

- Managed main office computer networking and operating systems

- Developed a new corporate website at galilbrands.com

- Performed important server room and warehouse machinery maintenance

Leadership

Alpha Delta Phi Society @ RPI:

May 2022 - Present

Vice President

Troy, NY

- In charge of communication with graduate members of the Rensselaer chapter of the Society.

Great Neck North High Robotics Team @ John L. Miller North High School:

November 2017 - June 2021

Lead Programmer

Great Neck, NY

- Helped team win First Tech Challenge qualifier in Syosset, NY in March 2020

Skills

Linux Utilities: Docker, Phabricator, Git, Solbuild, FFMpeg, ImageMagick, Pandoc, Octave, Qemu

Networking Protocols: SSH, FTP, Samba, DLNA, Unix Sockets

Programming Languages: C, C++, C#, Java, MIPS ASM, Bash, Fish, \LaTeX , Python, HTML, CSS, YAML, PHP

Software: MatLab, Siemens NX, LibreOffice, Adobe Creative Suite, GIMP

Web and Cloud Services: Heroku, Fly, GitHub, Gitea, Miniflux

Honors & Awards

Rensselaer Junior Recognition Certificate: RPI, Troy, NY

February 2023

Rensselaer Dean's Honor List: RPI, Troy, NY

December 2021 - Present

Rensselaer National Merit Scholarship: RPI, Troy, NY

May 2021

Rensselaer Leadership Award: RPI, Troy, NY

May 2021