

Julie Hakimi

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Education

Rensselaer Polytechnic Institute (RPI): GPA: 3.73

August 2021 - May 2024

B.S. in Computer Science; Computer and Systems Engineering (Dual Major)

Troy, NY

- **Coursework:** Introduction to Algorithms, Computer Architecture Networks and Operating Systems, Introduction to Electronics, Signals and Systems, Operating Systems, Principles of Software, Database Systems, Modern Binary Exploitation, Microprocessor Systems, Network Programming, ECSE Capstone, Programming Languages

Projects

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

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

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

July 2023 - Present

MVP Healthcare: Developed a pharmacy desert visualization as part of RPI capstone team [Python]

August - December 2023

Quatalog: A tool to show when RPI courses have been previously offered [C++/JS]

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

Rensselaer Polytechnic Institute (RPI):

May - August 2023

Tutor for Computer Architecture, Networks, and Operating Systems

Troy, NY

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 @ Rensselaer Polytechnic Institute (RPI):

May 2022 - Present

Vice President

Troy, NY

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

Robotics Team @ John L. Miller Great Neck 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, FFMpeg, Git, ImageMagick, Octave, Pandoc, Phabricator, Qemu, Solbuild
- **Networking Protocols:** DLNA, FTP, REST APIs, Samba, SSH, Unix Sockets
- **Programming Languages:** ARM ASM, Bash, C, C++, CSS, C#, Fish, HTML, Java, LaTeX, MIPS ASM, PHP, Python, x86 ASM, YAML
- **Software:** Adobe Creative Suite, GIMP, LibreOffice, MatLab, Siemens NX
- **Web and Cloud Services:** Fly, GitHub, Gitea, Heroku, Miniflux

Honors & Awards

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

December 2021 - May 2024

• **Rensselaer Junior Recognition Certificate:** RPI, Troy, NY

February 2023

• **Rensselaer National Merit Scholarship:** RPI, Troy, NY

May 2021

• **Rensselaer Leadership Award:** RPI, Troy, NY

May 2021