

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

## Projects

**appdwarf:** Tool to compress and run programs using DwarFS [Bash] [phantop.github.io/appdwarf](https://phantop.github.io/appdwarf) 📅 Feb 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:** Developed a pharmacy desert visualization as part of RPI capstone team [Python] 📅 Aug - Dec 2023

**Quatalog:** A tool to show when RPI courses have been previously offered [C++/JS] [quatalog.com](https://quatalog.com) 📅 Dec 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 Engineering Design:** Worked in a team to develop a prototype neo-natal incubator. [Arduino/C] 📅 June - Aug 2023

**RSSBridge:** Developer of multiple 'bridges' to ease website access [PHP] [rss-bridge.org](https://rss-bridge.org) 📅 April 2023 - Present

**Solus Project:** Maintained multiple packages for the Solus Operating System [YAML] [getsol.us](https://getsol.us) 📅 June 2020 - May 2023

**Arithme.Tech:** HackRPI educational game entry by a 4-person team [C#] Won first prize in 📅 Nov 2021

## Work Experience

**Rensselaer Polytechnic Institute:**

📅 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](https://galilbrands.com)
- Performed important server room and warehouse machinery maintenance

## Leadership

**Alpha Delta Phi Society @ Rensselaer Polytechnic Institute:** *Vice President*

📅 May 2022 - Present

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

📍 Troy, NY

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

📅 November 2017 - June 2021

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

📍 Great Neck, NY

## Skills

- **Linux Utilities:** Chroot, Docker, FFMpeg, Git, ImageMagick, Octave, Pandoc, Phabricator, Qemu, Solbuild
- **Networking Protocols:** DLNA, FTP, grpc, REST APIs, Samba, SSH, Unix Sockets
- **Programming Languages:** ASM, Bash, C, C++, CSS, C#, Fish, HTML, Java, JavaScript, LaTeX, PHP, Python, SQL, Typst, YAML
- **Software:** Adobe Creative Suite, GIMP, LibreOffice, MatLab, Siemens NX
- **Web and Cloud Services:** Fly, GitHub, Gitea, Heroku, Miniflux NodeJS

## Honors & Awards

**Rensselaer Polytechnic Institute:**

📍 Troy, NY

- *Dean's Honor List:*

📅 December 2021 - May 2024

- *Junior Recognition Certificate:*

📅 February 2023

- *National Merit Scholarship:*

📅 May 2021

- *Leadership Award:*

📅 May 2021