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]   github.com/Phantop/appdwarf   February 2021 - May 2023
- Provides an AppImage-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]   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: 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: *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:** Docker, FFMpeg, Git, ImageMagick, Octave, Pandoc, Phabricator, Qemu, Solbuild
- **Networking Protocols:** DLNA, FTP, REST APIs, Samba, SSH, Unix Sockets
- **Programming Languages:** ASM, Bash, C, C++, CSS, C#, Fish, HTML, Java, LaTeX, PHP, Python, YAML
- **Software:** Adobe Creative Suite, GIMP, LibreOffice, MatLab, Siemens NX
- **Web and Cloud Services:** Fly, GitHub, Gitea, Heroku, Miniflux

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