

# John L. Radford

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## Education

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**University of Pittsburgh - Greensburg Campus (Graduated: 2017)**

Bachelor of Arts: Humanities Gen., Philosophy/Art History/Classical Literature

Minor: Political Science

## Work Experience

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### IT Helpdesk Assistant – University of Pittsburgh Greensburg

**Timeframe: Spring & Fall Semester 2017**

As a workstudy, I was responsible for assisting students and faculty with computing issues, both in person and over the phone. Learned to work with networking, printing, and AV equipment. Learned to resolve issues on Mac, Windows, and mobile platforms.

### Customer Support Technician – Pair Networks, Inc.

**Timeframe: 2018 - Present**

As an overnight support technician for a web hosting company I'm responsible for; responding to customer phone calls and Email tickets, live server monitoring – responding to service outages and alerts as they occur (Ex. load spikes, high postfix queues, drive failures, and emergency reboots), upgrades and moves – moving accounts, websites, mailboxes, databases, DNS zone files, all sorts of configs, etc. between various generation FreeBSD and Linux servers.

## Sample Projects

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**Atman Webmail Client – [https://bluesquare23.sh/Atman\\_Mail](https://bluesquare23.sh/Atman_Mail)**

Created a proof-of-concept web based Email client application in Python using the *Flask* web-framework, a *SQLite* database, *SQLAlchemy* as the ORM, and *Bootstrap 5* for nearly all of the CSS.

**Reverse Shell Payload Generator – <https://rshell.sh>**

Made a website / API using Python *Flask* to facilitate the delivery of reverse shell payloads from the cloud to your terminal. Setup *Pytest* unit testing and implemented homemade CD/CI pipeline for production deployment.

**Write & Run Any Language – <https://bluesquare23.sh/WriteAndRun>**

Implemented arbitrary code detection and execution textbox. Used *Flask* to wrap two powerful APIs; the first, Algorithmia ML API, detects the language and the second, EngineerMans RCE Piston API, executes the arbitrarily submitted code.

## Servers, Languages, and Tools

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FreeBSD, Linux, C, Bash, Perl, PHP, Python, SQL, Vim, Git, HTML, Markdown, L<sup>A</sup>T<sub>E</sub>X, Mediawiki Markdown, Flask, CGI, Bootstrap, WordPress, MediaWiki, Apache, Nginx, Postfix, Dovecot, MySQL, Docker, QEMU/KVM, VirtualBox

## Accolades

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- Eagle Scout, Boy Scouts of America - Troop 66
- Ex Pluribus Capitibus Supra of the UPG Campus Alliance for Free Thought
- President of University of Pittsburgh's delegation to the model European Union (2016)