Paul Nakonieczny

631-413-6672 | paul@paulnak.com | paulnak.com | linkedin.com/in/paul-nak/ | Rome, NY

Technical Skills & Certifications

Programming Languages: Python, C++, C, HTML5, CSS3
Software Skills: Git, Flask, Nginx, Django, Linux, Octave, PostgreSQL
Security Clearance: Top Secret (March 2020-Present)

Experience

Assured Information Security   **Rome, New York**
Junior Software Engineer   **March 2019 – Present**
Python, Django, Flask, Nginx, JavaScript, RIOT.JS, Bootstrap
- Designed a Twitch and YouTube clone within 2 days to address customer needs in response to COVID-19. Developed a website for live streaming and video sharing that was used by over 50 interns and staff members
- Wrote a testing system to verify correct code execution and validate user input. Increased the percentage of tested code from 0% to 90%
- Collaborated with the customer to identify design goals for a website rebuild, developed new interactive features, and achieved site performance increase of over 300% as measured by Google's "Pagespeed Insights"
- Returned to an international internship program as a full-time staff member. Mentored a group of returning interns on leadership and technology topics. Discussed and tackled various leadership scenarios. Led agile scrums to identify and assign tasking for returning interns

Assured Information Security   **Rome, New York**
Intern   **October 2018 – December 2018**
Python
- Increased UI interaction speeds for users by reducing algorithmic complexity from cubic time to linearithmic time. Improved user experience by adding optional command-line arguments and implementing graceful exits when the application encounters runtime errors
- Wrote additional tests to verify correct code execution and to validate user input. Increased the percentage of code tested by 10%
- Generated documentation for the codebase by following Google's Python Style Guide, documenting classes and methods, and by using the Sphinx automatic documentation tool

Advanced Course in Engineering   **Rome, New York**
Intern   **June 2018 – August 2018**
C++, Python, PyQt, Apache
- Developed a desktop application to display live network information and provided encrypted communications for users. Implemented a GUI that allows users to interact with computers on the live network
- Created applications to infiltrate target computers, establish persistence, and return information about the target computers. Developed a command-and-control application to issue commands to target computers
- Built a network and hosted multiple services with over 95% uptime. Services were polled and scored every minute over a 10-week period and included FTP, web-mail servers, and Apache web servers
- Graduated as deputy commander from a rigorous 10-week cybersecurity bootcamp

Education

Binghamton University, State University of New York
Bachelor of Science in Computer Science, December 2018   **3.37 GPA**