Patrick Cody

2100 F Street, Washington, District of Columbia

(e) pat_cody@gwu.edu (p) 860-993-3101 (web) www.patcody.io

EDUCATION:

The George Washington University, Washington, DC

Bachelor of Science in Computer Science, expected graduation May 2020, GPA 3.53

Loomis Chaffee, Windsor, CT   Graduated Cum Laude, 2016

TECHNICAL PROJECTS:

OpenNetVM   *February 2017-Present*

- Implemented network function in C to track internet packet flows
- Added ARP response capabilities and a configuration file loading system

Custom Web Interface for Camp   *June 2017- July 2017*

- Using the Django framework, created a website to act as a custom front-end for the Modern Honey Network
- Learned how to deploy software using Amazon AWS EC2 instances and Docker

Hackathon Web Project (team of 6)   *October 2016*

- Attended Hackital DC, a local hackathon sponsored by the ACM with a team from GW, and led a team of 6 to create a python web app in Django
- Learned how to poll different web APIs for information and combine into one final product

WORK EXPERIENCE:

Undergraduate Research Assistant, Washington, DC   *February 2017- Present*

- Selected to be a SEAS Summer Undergraduate Program in Engineering Research fellow
- Work on the OpenNetVM project under Dr. Tim Wood to provide software-defined networking, by using Intel's Dataplane Development Kit

System Administrator, Washington, DC   *May 2017 - Present*

- Sysadmin for a 50-machine Linux server cluster used by the Cloud Research Lab
- Setup and manage DHCP and DNS servers
- Utilize services like Cobbler, Puppet, and LDAP for simplifying management
- Manage 1G and 10G networks with Cisco, Arista, and Dell switches

Software Developer for Cybersecurity Camp, Washington, DC   *May 2017 – July 2017*

- Using the Modern Honey Network, deployed 10 honeypots to Amazon AWS EC2 instances
- Using the Python framework Django, wrote a custom user interface to access the data generated by the honeypots

TECHNICAL SKILLS:

Languages: Java, C, Python, HTML, CSS, JavaScript

Operating Systems: Windows, Linux, Mac OS

Software: Git, GDB, Docker, LDAP, Adobe Photoshop, Lightroom

LEADERSHIP POSITIONS/AWARDS:

White Hat Academy Capture the Flag- 1st Place   *July 2017*

GW Association for Computing Machinery (ACM) Technology Chair   *October 2016 – Present*