

Andrew Ku

Flushing, NY 11367 | andrew.ku@pace.edu | 917-279-4975 | [linkedin.com/in/andrew-ku](https://www.linkedin.com/in/andrew-ku) | github.com/drookoo

CyberCorps: Scholarship for Service recipient
Country of Citizenship: United States of America

EDUCATION

Pace University Seidenberg School of Computer Science and Information Systems

Pleasantville, NY

Bachelor Science in Information Systems

May 2020

Honors: Alpha Lambda Delta Honors Society, Alpha Chi Honors Society

GPA: 3.66

RELEVANT COURSEWORK

Network and Internet Security | Distributed Computing | Database Management | Global Networking Technology | Computer Security Overview | Computer Forensics | Web Scripting | Intro to Computer Systems | Intergenerational Computing | Intro to Programming I | Intro to Programming II | Mathematical Structures for CS (Discrete Math) | Statistics and Probability Analysis | Calculus I | Financial Accounting | Managerial Accounting

TECHNICAL SKILLS

Programming Languages: Python 2.7 and 3, Java, Ruby

Web Development Languages: HTML, CSS

Operating Systems: Microsoft Windows (server 2003, server 2012, XP, Vista, 7, 8, 10, Server Core 2016), Ubuntu, CentOS, Kali Linux, Raspbian Jessie

Software: Nmap, Wireshark, Metasploit, Armitage, OSQuery, Nessus, OpenSCAP, Microsoft Office Suite

Hardware: Personal computer components, Printers, Routers, Switches, and Wireless Access Points

ACADEMIC PROJECTS

Local Hack Day @ Pace University, Head Organizer

December 2, 2017

- Organized, planned and prepared the 12 hour event, from scheduling to outreach prior to the event
- Served as a student mentor and judge for the 50 participant event
- Conducted two workshops: Python API Parsing with Twilio and Datasets. Version Control with Git and Github

Pace Cybersecurity Team, Team Captain

May 2018 - Present

- Led weekly trainings to prep members for the Northeast Collegiate Cyber Defense Competition and the Center of Academic Excellence NE Region Hackathon.
- Crafted and ran workshops for ethical hacking and computer programming for members: Web Application Security Testing, Metasploit, meterpreter, and Armitage, Data Science with Python, Git and Github, Python for Web Application Development
- Organized logistics for competitions and key cybersecurity events for the team. .
- Worked closely with school administration for community outreach.
- Experienced in vulnerability and inventory assessment, Windows and Linux server hardening, and services implementation.
- Implemented security policies such as the DISA STIG and NIST 800-171 for Redhat Enterprise Linux

13th Annual Pace Pitch Contest, Contestant

April 20, 2017

- Placed 2nd in the competition with the project Vaicam Pai, an artificially intelligent security camera
- Built using Bash, REST API's, Python, and Raspberry Pi
- Source Code: <https://github.com/Drookoo/Vaicam-Pai>

National Cyber League, Participant

March 2017 - Present

- Placed 11th in the Silver Bracket of the Spring 2017 postseason competition
- Worked extensively with cryptography, enumeration and exploitation, log and network traffic analysis, OSINT, scanning, password cracking, web application exploitation, wireless access exploitation to solve challenges

Hack NYU, Participant and Finalist

February 17 – 19, 2017

- Winner of the Verizon Award: Best Hack for Live Events and Event Venues
- Den-Manager tracks analytics of live events in real time using Python and the Density.io IOT device.
- Source Code: <https://devpost.com/software/den-manager>

EXPERIENCE

ThinkEco

New York, NY

Technical Support Associate Summer Intern

May 2018 - August 2018

Hours per week: 30

- Tested software of IOT product, web and mobile applications
- Performed Salesforce case reviews and case creations
- Communicated frequently between team and engineering team for hardware, software, server and other issues

- Provided technical support for incompatible router configurations and product hardware

Design Strategies

New York, NY

IT Technician Contractor for Goldman Sachs and Horizon Media

June 2017 - August 2018

Hours per week: 10

- Spearheaded teams around the building to ensure all tickets are completed.
- Disconnect/reconnect 20 workstations per project on the Goldman Sachs trading floor
- Keep track of workstation inventory and making sure computer cables are properly screened from view
- Conducted quality assurance testing for connectivity issues

Apolent

New York, NY

IT Technician Contractor for AIG

June 2017 – November, 2017

Hours per week: 10

- Disconnected/reconnected 40 workstations per project for the AIG offices
- Kept track of workstation inventory and making sure computer cables are properly screened from view
- Conducted live support for day one issues with newly installed equipment

ACTIVITIES / VOLUNTEER WORK

Northeast Collegiate Cyber Defense Competition, Participant

CAE NE Region Hackathon, Participant

Seidenberg Tech Collective, Member

LANGUAGES

Fluent in Mandarin and Cantonese. Articulate in traditional Chinese.