

Andrew Ku

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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

GPA: 3.63

RELEVANT COURSEWORK

Global Networking Technology | Computer Security Overview | Computer Forensics | 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), Ubuntu, CentOS, Kali Linux, Raspbian Jessie

Software: Nmap, Wireshark, Metasploit, Armitage, Pycharm, Vmware vSphere, Oracle VirtualBox, 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 upcoming competitions
- Crafted and ran workshops for ethical hacking and computer programming for members
- Organized logistics for competitions and key events
- Worked closely with school administration for community outreach

13th Annual Pace Pitch Contest, Contestant

April 20, 2017

- Placed 2nd in the competition with the project Vaicam Pai, an artificially intelligent security camera
- 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, log and network traffic, OSINT, scanning, and exploitation tools 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.