

Nicholas Kantor

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

- Master of Science in Information Security

Expected Graduation Date: May 2019

GPA: N/A

The University of Texas at Austin, Austin, TX

- Bachelor of Science in Computer Science

Graduation Date: May 2017

GPA: 3.68

AWARDS/ACTIVITIES

INFOSEC SFS Recipient, Carnegie Mellon University

Awarded 2017

- Scholarship for service offered by the government to a select few qualified students

INFOSEC SFS Recipient, The University of Texas at Austin

Awarded 2015- 2017

- Scholarship for service offered by the government to a select few qualified students

Distinguished Scholar, The University of Texas at Austin

Awarded 2015

- Ranked in the top 4% of the College of Natural Science

Longhorn Band, The University of Texas at Austin

August 2013 – May 2017

- Trumpet Player

SKILLS

Languages

- Proficient in Java, Python, C++, and C
- Nearing proficiency in Bash, Verilog and Assembly X86
- Proficient in HTML, JavaScript, CSS, PHP, Flask, and Node.js
- Proficient in SQL and MongoDB

WORK EXPERIENCE

Sandia National Laboratories, Year-round graduate student intern, Albuquerque, NM

May 2016 – Present

- Worked on a wide array of security related projects specifically in forensics and network security
- Developed in Python, Bash, Node.js, and HTML

The University of Texas at Austin, Principles of Computer Systems TA, Austin, TX

August 2016 – May 2017

- Led weekly discussion sections that supplemented the traditional weekly lectures
- Held office hours where I helped debug student's operating system code

The University of Texas at Austin, Ethical Hacking TA, Austin, TX

January 2017 – May 2017

- Assisted in teaching the lecture by running exploits and tools during class as examples
- Answered all course related questions from students and helped them build final team projects

MyRollCall, Software Development Intern, Austin, TX

June 2015 – March 2016

- Developed a Social Networking site designed to reconnect school alumni using the PHPfox framework

NOTABLE PROJECTS

ThunderBirdCup, Sandia National Laboratories

August 2016 – Present

- A cyber competition targeted towards Middle School and High School students meant to raise awareness about information security
- Developed in Meteor, Powershell, and Bash

TracerFIRE 7, Sandia National Laboratories

May 2016 – August 2016

- A story based CTF designed to teach High School, College, and IT professionals more about forensics
- Developed in Flask, Sails.js, Meteor, and Bash

GetPwnd, developed with Ian Davis, Will Yager, and Chris Lee

Fall 2016

- Python3 tool used to verify a list of credentials within a computer network across multiple services

Pintos, The University of Texas at Austin

Fall 2014

- Expanded a Basic Operating System created in C to include priority scheduling, argument passing on the stack, system calls for user programs, virtual memory, and a multi-level indexed file system

RELEVANT COURSEWORK

Ethical Hacking

Operating Systems

Cyber Security

Network Security and Privacy

Advanced Computer Architecture

Cryptography

CURRENT COURSEWORK

Introduction to Information Security

Applied Information Assurance

Packet Switching and Computer Networks

Cloud Computing