

Nicole Pontaza

Computer Science

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EDUCATION

University of Illinois at Urbana-Champaign

B.S. in Computer Science
Senior | Class of 2019

RELEVANT COURSEWORK

CS225 Data Structures
CS241 System Programming
CS460 Security Lab
CS461 Security
CS498 Digital Forensics I & II
CS563 Advanced Security

SKILLS

PROGRAMMING

Proficient:
C# ♦ C++ ♦ SQL

Familiar:
Python ♦ Java

SOFTWARE

Wireshark, Splunk, Wazuh,
Terminal

LANGUAGES

Fluent: English & Spanish

Familiar: French

Basic: Japanese

SOCIETIES

ACM @ UIUC
Women in Computer Science
HackIllinois

PROJECTS

Virtual Homelab

Present

- Currently testing different applications to secure/overview the network (IDS, IPS, SIEM, Snort) along with penetrating defenses

DataGrabber | NCSA Internship

Summer 2017 & 2018

- Developed idea and final program to streamlining eye tracking data from Tobii Eye Tracker 4C
- Combined 2 data streams to show real-time data gathering
- Integrated with Matlab, made from Visual Studio WFA

Plant Database | Personal Project

April 2015 – May 2015

- Implemented a personal database through WAMP sever with phpMyAdmin to gather/filter information
- Made the UI relay user commands from C++ into SQL for the server simultaneously

EXPERIENCE

NCSA | Research Assistant

Summer 2017 & 2018

- Developed DataGrabber and visualization techniques with Tobii EyeTracker 4C
- Published research paper for the Graduate College's event in the Illinois Summer Research Symposium
- Presented research in the conference and conversed with colleagues on the project's inner workings
- Instantiated standard protocols for further research in ML

CS 196 | Executive Course Staff

August 2016 – December 2016

- Mentor and project manager for group of 3-4 freshman in CS 125 honors section
- Developed the autograder for the course by making full use of continuous integration using Jenkins

OTHER INVOLVEMENT

HackIllinois 2016 & 2017

October 2015 – June 2017

Project Manager/ Designer

- Handled several projects in an administrative fashion
- Carried out several designing aspects for HackIllinois using Adobe software