Dakota Lester

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Professional Summary

An interest in cybersecurity and software development was originally a hobby that turned into a career. Able to maintain a 3.05 GPA between two universities, while working part time. Will bring the required skills, energy, and commitment to your organization.

Key Strengths:

- Exceptional analytical and problem-solving skills
- Excellent communication skills both verbally and written
- Proficient in producing clear and thorough technical documentation
- Ability to work in a group or by myself with or without supervision to complete the tasks required

Technical Skills:

- Proficient in C/C++, Java, Python, HTML, CSS, JavaScript, VBScript, PowerShell, and Git
- Use of Selenium Webdriver for automation tasks
- Background in BitLocker encryption and Symantec Endpoint Protection
- Microsoft Visual Studio and MS Office
- Ability to use Wireshark, nmap, and other network troubleshooting tools
- Strong experience with Active Directory, Exchange, SCCM 2012, and RSA software/hardware security
- Solid understanding of TCP/IP, network models, IPv6, and DNS management

Professional Experience

Enterprise Infrastructure Services Student Assistant August 2015 – May 2018
University at Buffalo

- Provide mainstream support for approximately 20,000+ end users. Use of software including; SCCM 2012 and DNS management. Experience with DNS requests including IPv4, IPv6, MAC Addresses, and Canonical Names. Other daily responsibilities included file/email restores, active directory requests, RSA tokens, exchange requests, and end-user troubleshooting. The security of these end systems included BitLocker for Windows systems and Symantec Endpoint Protection (SEP)

Undergraduate Teaching Assistant, CSE 115 January 2017 – May 2017
University at Buffalo

- A Teaching Assistant for "Intro to Computer Science I", helping around 300 students with the understanding of concepts related to Java, JavaScript, JSON, and Algorithms. Held office hours for students to help further the understanding of concepts, homework, and projects associated with the course.

Projects

dakotale.github.io (Personal Website) December 2016 – Present

- This website is coded with HTML, CSS, and JavaScript as a "central hub" of all personal files and links. These include; my resume, GitHub, LinkedIn, personal projects, and contact email.

Reliable Transport Protocols March 2018 – April 2018

- Provided a given simulator, we tested the three reliable data transport protocols; Alternating Bit (ABT), Go-Back-N (GBN), and Selective-Repeat (SR). We wrote the sending and receiving transport-layer code for implementing a simple reliable data transfer protocol.

Text Chat Application February 2018 – March 2018

- Using the Client-Server model architecture, we developed a simple chat application through TCP that handled multiple clients over a given time slot that can connect to the server. The clients, when

launched, log in to the server, identify themselves, and obtain the list of other clients that are connected to the server.

University at Buffalo Git Transfer January 2017 – April 2017

- Using Git repositories, I transferred sensitive data from an outdated file system of professors, students, faculty, and department's data to updated repositories (sorted by the client's request).

Schedule Me Android Application September 2016 – December 2016

- This is an android application that solves the issue of groups or co-workers not being able to schedule meetings due to time conflicts. The app links to the user(s) Google Calendars or the user(s) can insert their schedule manually. The app will automatically estimate the time the user(s) in a group are all available and what their location will be at that time. This application also syncs with Google Maps to map the distance between users to find a common meeting place that is convenient for everyone.

University at Buffalo Summer Refresh 2015 and 2016 Aug – Sept 2015 & June 2016 – Sept 2016

- Throughout the summer break of 2015 and 2016, I aided in the upgrade of all computer systems to Windows 10 located in public sites (libraries/computer labs) and technical classrooms (classrooms that contain a computer). The upgraded computers through this process was 3,000+. In coordination with the system administrators on this project and SCCM 2012, I refreshed desktops both on site and remotely to finish on a deadline of before Fall Semester.

CyberPatriot Mentor Oct 2013 – Apr 2014

- I guided a team of six students from different grade levels (9-12) to help solve complex problems in relation to computer security. This occurred at my high school; Frankfort-Schuyler Central School District in Frankfort, NY. Provided information to students who were new to the idea of computer security and enlighten them so they have a larger knowledge base. These ideas include; encryption, BitLocker, MBAM, group policy, active directory, and virtual machines.

CyberPatriot Captain Oct 2011 – Apr 2013

- During my junior and senior years of high school I volunteered to become captain of the Frankfort-Schuyler CyberPatriot Team. I lead a group of six students to the round three of the state rounds of this competition through helping when called upon and assisting with any questions or issues.

Education

State University of New York at Buffalo (UB): B.S. Computer Science and Engineering

Overall GPA: 3.05 August 2015 – May 2018

Course Highlights:

- Modern Networking Concepts
- Parallel Computing Algorithms
- Sequential Algorithms
- Software Engineering Capstone
- Computer Organization
- Pattern Recognition
- Theory of Computation
- Functional Languages
- Calculus II & III
- Probability Theory

State University of New York Polytechnic Institute (SUNY PI): B.S. Computer Information and Science

Overall GPA: 3.10 August 2013- May 2015

Course Highlights:

- Introduction to Computer Science
- Data Structures
- Discrete Mathematics
- Operating Systems and Networking
- Calculus I
- Object-Oriented Programming