

Brian A. Zick

<http://www.linkedin.com/in/brianzick>

zickb@union.edu

857-272-1055

EDUCATION

Union College Schenectady, NY
Bachelor of Science in Computer Engineering, Minors in Classical Civilizations and Mathematics June 2019
GPA: 3.26

Boston Latin School Boston, MA
Technical Skills: Proficient in Windows, Linux, Java, Python 2 and 3; Familiar with Arduino, C, IBM QRadar, L^AT_EX, MacOS, MATLAB, MIPS Assembly, MySQL, SQLite3, VHDL

Relevant Coursework: Data Structures, Introduction to Databases, Algorithm Design and Analysis, Computer Organization, Computer Security, Mathematical Cryptology, Operating Systems

TECHNICAL EXPERIENCE

USTAR Technician, *Union College ITS*, Schenectady, NY September 2017 - Present
◦ Collaborate with a staff of 9 students to provide technical support services for students

Information Security Intern, *Bottomline Technologies*, Portsmouth, NH June 2018 - August 2018
◦ Utilized IBM QRadar to scan infrastructure internally and externally and interpret scan results
◦ Wrote a Python script to correlate and reformat the results of QRadar scans to simplify vulnerability ticket creation
◦ Worked with the information security team to assess and accept or reject security policy exceptions

Workforce Research Intern, *Advanced Cyber Security Center*, Bedford, MA June 2017 - August 2017
◦ Enhanced a Python web scraper for job posting sites
◦ Used data collected to compose a report on the personalities of American job markets

ENGINEERING PROJECTS

Remote Desktop Power Switch, *Senior Capstone*, Schenectady, NY April 2018 - Present
◦ Design and create a remote desktop power switch to improve remote desktop software functionality
◦ Research similar products available in the consumer and enterprise markets

OS/161, *Operating Systems*, Schenectady, NY March 2018 - June 2018
◦ Implemented basic functionalities of an operating system both individually and in a team of three
◦ Designed and wrote elementary functions of OS/161 including mutual exclusion locks and system calls in C
◦ Developed additional tests for the operating system to ensure the implementation was correct

Text Editor, *Digital Design*, Schenectady, NY March 2018 - June 2018
◦ Created a simple text editor using VHDL to read input from a PS/2 keyboard and display output on a VGA monitor
◦ Simulated the implementation to ensure functionality and robustness against unpredictable user input

Database Design, *Introduction to Databases*, Schenectady, NY January 2017 - March 2017
◦ Constructed a relational database for a fictional hardware store with a partner
◦ Implemented the design in MySQL, populated the database with artificial data and presented the final product

SUPPORTING EXPERIENCE

Senior Crew Leader, *National Advanced Youth Leadership Experience*, Cimarron, NM Summers 2015-2017
◦ Led a course teaching the principles of servant leadership to Scouts ages 14-20
◦ Delegated daily tasks among a staff of 19 Scouts, ages 16-20, and adults

Sales Associate, *Charles Street Supply Company*, Boston, MA School Breaks 2015-2017

CAMPUS INVOLVEMENT

President, *Alpha Phi Omega, Eta Gamma Chapter*, Schenectady, NY June 2017 - Present
◦ Work with executive board to grow and retain membership, develop campus leaders and become a closer brotherhood
◦ Guide brothers in planning and performing acts of community service on campus, in the community and for the world
◦ Communicate with the national and regional offices to ensure chapter is in good standing

President, *The Dutch Oven*, Schenectady, NY April 2016 - Present
◦ Write and publish satirical articles, skits and videos on a monthly basis
◦ Oversee the process of publishing a satirical newspaper including coordination with student government

Member, *Union College Men's Rugby Team*, Schenectady, NY September 2016 - Present

HONORS AND AWARDS

Eagle Scout, Ordeal Member of the Order of the Arrow, Union College Circle of OΔK, Member of Eta Sigma Phi