Joseph "Joe" Bivens

jdbivens42@students.tntech.edu

Objective

- To surpass expectations in a summer internship starting on or after May 2018

Education

Tennessee Technological University (TTU), Cookeville TN GPA: 4.0 / 4.0
- Master of Science in Computer Science
    - o May 2019 (Expected Completion)
    - o Specialization: Information Assurance and Cyber-Security
- Bachelor of Science in Computer Science *in cursu honorum*
    - o August 2014 – May 2018 (Expected Completion)
    - o Concentrations: Information Assurance and Cyber-Security
      Data Science
      Software and Scientific Applications

Experience

Clinical IT, Sweetwater Hospital Association   (Summer 2014 – Winter 2017 | Full-time between semesters)

- Designed and wrote software to identify outdated health records and patients in need of preventive care reminders, leading to a 40% improvement in the relevant federally monitored statistic, hundreds of preventive procedures, and over $100,000 in estimated revenue

- Developed the software currently used to derive federally audited statistics by aggregating large datasets, saving hundreds of work hours annually

- Performed system and network administration tasks such as firewall and antivirus monitoring

- Managed network, system, and application permissions for users

- Combined years of disorganized hardware audits into a centralized database and automated reports, saving hours of preparation each week

- Conducted investigations that revealed errors in accredited software and internal processes

Honors and Activities

- TTU CyberEagles (Cyber-Security Club) Secretary of Mentorship (Fall 2017 – Present)
- TTU CyberEagles (Cyber-Security Club) Treasurer (Fall 2016 – Spring 2017)
- TTU CyberEagles (Cyber-Security Club) Secretary of Records (Fall 2016 – Spring 2017)
- TTU Honors 'Big Sib' (Peer Mentor) (Fall 2015 – Present)
- TTU Engineering Joint Council Vice President (Fall 2015 – Spring 2016)
- Jere Whitson Memorial Scholar (TTU incoming class of 2014 top student)
- First **National Merit Scholar** in 100+ year history of Tellico Plains High School

Skills

- Programming Languages:
    - o Expert-Advanced Level Competency: Java, Python, VBA, C++, Windows batch, x86 Assembly
    - o Working-Basic Level Competency: R, Prolog, XML, HTML, Bash, JavaScript, SQL
- Operating Systems and Software:
    - o System administration experience with Windows PCs and servers; some experience with Linux
    - o Designed and developed Android apps, including a ransomware proof of concept
    - o Frequently use VirtualBox, virtual networks, and system admin tools
- Extremely adept at learning quickly and developing new skills
- Meticulous, self-motivated, team leader and collaborator, diligent worker, skilled communicator