Jonathan G. Westerfield

9418 Stone Porch Ln, Houston TX 77064
713-253-6097 (Cell)
jgwesterfield@gmail.com

Objective:
- Seeking Internship or Co-op for Summer 2019

Education:
- Texas A&M University, College Station, TX
- B.S. in Computer Engineering, minors in Cybersecurity and Engineering Project Management
- GPA 3.523
- Senior – Graduation May 2020

Experience:

Oceus Networks

Oceus Networks provides customized broadband mobile solutions that enable secure, high-speed voice, video, and data communications. Main product is the *Xiphos* tactical mobile 4G LTE, a mobile telecom unit built to support land-based tactical vehicles, unmanned aircraft, ships and platforms that have inadequate, damaged or non-existent communications systems.

Software Engineering Intern   **May 2018 – August 2018**
- Developed file versioning/configuration management tool in Golang using a Git backend along with bash scripts to facilitate use of the tool. This tool is used to store configuration files in a central repository, based on unit version requirements, to allow staging and configuration of other *Xiphos* units or testing for defective configurations or duplicating for other units a customer might own.
- Wrote Python executable to stage and pull configuration settings from production *Xiphos* units using proprietary configuration files. Used during the initial unit setup process to speed up staging by pulling settings from a configuration file and applying to new units and also to pull the current configuration from the unit in order allow testing on a different unit.
- Developed and wrote Java GUI tool to write staging configuration files for production *Xiphos* units.
- Setup entire Centos 7 Operating system on a VM to facilitate setup of a development environment using minimal server image.
- Assisted with testing of company CLI tool used to configure test and production *Xiphos* units.

Texas A&M University Division of Student Affairs Department of Information Technology
Student Technician - Helpdesk   **September 2016 - Present**
- Field incoming calls and assist customers with technology including system troubleshooting, account troubleshooting, system setups, equipment checkout and computer deployment.
- Use tools such as SCCM, Active Directory and ServiceNow.
- Created a bash setup script to automate installation of settings and programs for all new MacOS computers deployed by IT department.
- Supporting department through OS upgrades from Windows 7 to Windows 10.

Skills and Abilities:
- Proficient with Java, C, C++, Golang, Python, PHP, SQL, Git, ARMv8.
- Knowledge and experience with Linux (CentOS 7, Ubuntu, Arch), MacOS, and Windows (XP, 7, 10).
- Knowledge and experience with ServiceNow, SCCM, and Active Directory.
- Knowledge and experience with Microsoft Office, including Word, PowerPoint, and Excel.
- Completed a Cisco A+ Certification course.
- Previous experience building a computer with multiple operating systems for personal use.

Recent Projects:
- Developed "*Texas A&M Grade Analyzer*", a JavaFX application that displays historical course and professor grade distributions for Texas A&M University courses using a MySQL backend which can be accessed at:
    - https://github.com/JonathanGWesterfield/TamuGradeAnalyzer-IntelliJIntegration

Leadership:
- Project manager and leader for projects in CSCE 315 class. Took the initiative by directing, assigning and monitoring team tasks to insure timely completion of 2 projects.
- Team leader of a four-member team in Engineering 111 & 112 classes. Took the initiative by directing, assigning and monitoring team tasks to insure timely completion of projects and assignments.
- Organized a team of five volunteers and was the site leader for two Texas A&M "Big Event" service projects, where we assisted senior homeowners with yard-work and general cleaning.
- Section leader for Clarinet section in the Jersey Village Marching Band 2013-2015. Responsibilities included leading approximately 35 clarinet players in learning their marching steps and teaching 10 new freshmen how to march, play and memorize their music.

Achievements/Memberships:
- Member of Aggie for Limbs 2018, an organization to benefit Ashton's Angels. Ashton's Angels is a non-profit organization that provides prosthetics to people who cannot afford them.
- Member of Aggie Business Kings 2018 - current, an organization to turn business-oriented students into experienced business professionals by contributing in team building activities, business events, and sharing useful connections to mold businessmen/ entrepreneurs of the future.
- Member of the Texas A&M Bonfire organization 2015 – 2018.
- Motorized bicycle by installing a two-cycle 66cc engine onto it.
- Researched personal computer components and custom-built a personal computer/gaming system.
- Competed in region band auditions each year in high school, placed in Region Band three times and advanced to Area Band Audition in Austin during senior year.
- Member of the National Honor Society 2014 – 2015.