Jonathan G. Westerfield

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**Objective:**

* Seeking Internship or Co-op for Spring 2019 or Summer 2019

**Education:**

* Texas A&M University, College Station, TX
* B.S. in Computer Engineering – GPA 3.523
* Senior – Graduation May 2020

**Experience:**

**Oceus Networks**

**Software Engineering Intern May 2018 – August 2018**

* Oceus Networks provides customized broadband mobile solutions, integrating fixed and wireless broadband technologies that enable secure, high-speed voice, video, and data communications. Main product is a mobile telecom unit called a Xiphos.
* Wrote file versioning/configuration management tool in Golang using a Git backend along with bash scripts to help use the tool
  + This tool was used to store configuration files so that everyone on the network could see and use them to stage another Xiphos unit or test a defective configuration
* Wrote Python executable to stage and pull configurations settings from productions Xiphos units using proprietary configuration files
  + Was used during the initial setup process to speed up staging. Would pull settings from a configuration file and apply them to a unit. Would also pull the current configuration from the unit in order to be used on a different unit for testing.
* Developed and wrote Java gui tool to write staging configuration files for production Xiphos units
* Completely setup Centos 7 Operating system on a VM to setup my development environment using minimal server image
* Helped with testing of company CLI tool used to configure production Xiphos units

**Texas A&M University Division of Student Affairs Department of Information Technology Student Technician - Helpdesk September 2016 - Present**

* Take calls and assist customers with technology including system troubleshooting, system setups, equipment checkout and computer deployment
* Created a bash setup script to automate installation of settings and programs for all new MacOS computers deployed by our IT department

**Skills and Abilities:**

* Proficient with Java, C, C++, Golang, Python, PHP, and MySQL
* 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:**

* Texas A&M Grade Analyzer
* <https://github.com/JonathanGWesterfield/TamuGradeAnalyzer-IntelliJIntegration>
* Analyzes grade distributions and grade trends of Texas A&M professors to aid in class registration

**Leadership:**

* Team leader of a 4 member team in Engineering 111 & 112 classes. Took the initiative in directing, assigning and monitoring team tasks to insure timely completion of projects and assignments
* Organized a team of 5 volunteers and was the site leader for the Big Event 2016, where we assisted a senior homeowner with yard work and general cleaning

**Achievements:**

* Motorized bicycle by installing a two-cycle 66cc engine onto it