**Mason Schleu**

Software Engineer

5388 Lee St. #1211 Arvada, CO 80002 • (402) 658-6959 • mschleu231@gmail.com

# SUMMARY

Agile Cyber Software Engineer with active Top Secret security clearance and 3+ years of programming experience deve loping Python and C++ test code. I currently work on a fast-paced, multidisciplinary team at Lockheed Martin where my job is to develop tests and detect bugs for the F-35 to ensure software meets customer requirements. My three main focuses are automation, testing, and cyber security.

# TECHNICAL SKILLS

**Programming Languages:** Python, C/C++/C#, Bash, Java, Assembly, Verilog, VHDL, HTML/CSS

**Development:** Unit testing, telemetry, debugging, optimization, data collection, technical reports, detail oriented

**Programs:** Jenkins, Jira, Bitbucket, Confluence, Microsoft Office, Visual Studio

# PROFESSIONAL EXPERIENCE

***Cyber Software Engineer*, Lockheed Martin – Cyber Network Interface Device (CNID)**

December 2018 – present // Louisville, CO

* Developed Python framework to automate the testing of thousands of CNID requirements.
* Designed automated build and deploy system that streamlined team’s development workflow.
* Setup CI infrastructure, providing CNID sufficient time to test and ensuring on schedule delivery to customers.
* Analyze nightly report data to detect and understand anomalies in the CNID using data to drive development and fixes.

***Embedded Software Enginee*r, Lockheed Martin – Software Defined Satellites (SDS)**

May 2018 – December 2018 // Louisville, CO

* Developed the backend for the configuration service which handled requests from json, yaml, and ZooKeeper.
* Wrote Sphinx and Doxygen documentation for all SDS services for developers and users.
* Wrote unit tests using Google Test ensuring 100% code coverage.

# *Undergraduate Research Assistant*, University of Nebraska, Omaha

# Fall 2016 – Spring 2018 // Omaha, NE

* Collaborated with medical doctors and human research subjects to develop user-friendly biomechanics devices.
* Coded mobile smartphone apps in Java and C# to quantify sensor data from human motion.
* Presented research at conferences to small audiences with wide range of backgrounds.

# *Software Developer Intern*, National Strategic Research Institute

# Spring 2017 – Spring 2018 // Omaha, NE

* Developed AR applications for the Microsoft HoloLens in Unity using C# to enable gesture and voice control of planes.
* Deployed and debugged AR applications in Visual Studio.
* Communicated information to non-technical stakeholders via video tutorials and documentation.

# PROJECTS

* Team designed Android app, pcb, and embedded software to track foot temperature using Bluetooth sensors.
* Self-taught web development in HTML/CSS and deployment using AWS to showcase my portfolio ([link](http://masonschleu.com/index.html)).
* Android VR application using Unity, designed to challenge human subject’s balance. Featured at Kaneko KINETIC art exhibit.

# EDUCATION

# *B.S. Computer Engineering*, University of Nebraska, Lincoln

# 2014 - 2018 // Omaha, NE - Peter Kiewit Institute

* President of the University of Nebraska Omaha Maker Group