**Mason Schleu**

Software Engineer

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# PROFESSIONAL EXPERIENCE

***Escalation Software Engineer Team Lead,* Berkshire Grey – Mobile Robot Business Unit**

March 2021 – present // Bedford, MA

* Responsible for designing, implementing, and maintaining software that integrates and enhances a robotic sorting system consisting of 2,500 robots which processes 15,000 packages/hr.
* Work with operations and support personnel to troubleshoot issues that arise at customer site.
* Architect systems and tooling to improve response time to customer needs.
* Travel as company representative to customer facilities to perform live demos and ensure on schedule delivery.

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

December 2018 – present // Louisville, CO

* Developed Python framework to automate the testing of thousands of CNID requirements.
* Designed automated cross-platform build and deploy system in Python that streamlined team’s development workflow.
* Collaborated with external entities such as QA and customer to facilitate efficient delivery events.

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

May 2018 – December 2018 // Louisville, CO

* Developed the backend for the configuration service in C++ which handled requests from json, yaml, and ZooKeeper.
* Wrote high quality documentation using Sphinx and Doxygen for all SDS services used by developers and users.
* Used YOCTO to configure, build, and deploy custom Linux kernel images to target platforms.

# *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 biomechanical devices.
* Coded mobile smartphone apps in Java and C# to quantify mobile 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.
* Communicated information to non-technical stakeholders via video tutorials and documentation.

# TECHNICAL SKILLS

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

**Libraries:** Confluent Kafka, MongoDB, Zookeeper, Async Tornado

**Platforms:** Kubernetes

**Software:** Jenkins, Atlassian suite, AWS, Microsoft Office suite

**Operating Systems:** Ubuntu, Red Hat, Docker, YOCTO, LXC, VMs, kernel modules, Systemd, bootloaders

# 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 2018