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WORK EXPERIENCE

Software Engineer June (2019) - Present AASKI Technology aq. by MAG Aerospace

Operated in a small team that produced software applications for soldier use in the field. Main area of focus was on front-end development. Additionally consolidated and fulfilled requirements provided by the customer. Debugged networks, services, and android applications.

Intern	Summer (2018)	AASKI Technology
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Completed Full-Stack development of User Interface using Golang, HTML, and Vue.js. Implemented solutions for a dynamic User Interface and dynamic data-binding. Assisted implementation of server and databases on embedded devices.

Research Volunteer	October (2016) - May (2017)	WVU School of Medicine
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Contributed in Neural Engineering Laboratory to DARPA HAPTIX subcontract (PI: Yakovenko). Responsible for signal processing of kinematics, surface and intramuscular electromyography from healthy and amputee human subjects.

EDUCATION

West Virginia University (August 2015 - May 2019)

B.S. in Mechanical Engineering
Minor in Computer Science

GPA: 3.73
Completed Hours: 152

PROJECTS

Precision Fires-Dismounted (August 2019 - Present)

*Precision Fires-Dismounted (PF-D) is an Android App that runs as a plugin to a geospatial awareness **Android App**.*

Project Management

- Consolidated project requirements to support project management.
- Interfaced with the developers assigning and distributing the workload after receiving test reports.
- Assisted with the fielding of this product as well as relaying and finding technical solutions to the customer.

Development

- Developed both **Java** and **C** for Android working with networking and user interface (UI).
- Implemented user experience (UX) improvements, backend support for network management, performance improvements for UI responsiveness, and worked to remove technical debt.
- Initiated the development of a code generation tool to implement a standard message specification.

Mounted Mission Command (August 2022 - Present)

An Android Open Source and Yocto Linux project developed for Mounted Computing Unit on military vehicles.

Project Management

- Worked as a developer on a team of **14 engineers** to develop a product release for soldiers.
- Organized discussions from the customer to form an actionable report to the developers.

Development

- Developed user applications in **C** and **Java** with their **BitBake** recipes for networking and user interface.
- Completed critical UX feature for customer saving money and potential late delivery.

Radio Timing Tool (June 2019 - September 2019)

This application is currently in use to establish the modem timing configurations used to create field networks for tactical digital communications.

- Worked to create a command line interface and assisted in debugging the capturing of timing parameters for **Python** application.

SKILLS

Languages:	Java, C, Python, SQL.
Technologies:	PostgreSQL, lxc, QEMU, Docker, Gitlab, Linux, Yocto, IP Networking.
Tools:	JetBrains IDE's, neovim, gdb