

Kevin Kredit

<https://github.com/kkredit>

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(789) 456-1230

OBJECTIVE

Full-stack software developer interested in building reliable, safe, and secure systems.

EDUCATION

- **Grand Valley State University** Grand Rapids, MI
Master of Science in Applied Computer Science; GPA: 4.00 *Anticipated Dec. 2020*
 - **Concentrations:** Cybersecurity, Web & Mobile Computing
 - **Selected Coursework:**

Information Security Principles	Distributed Systems	Programming Languages
Secure Software Engineering	SQL Database Design	Thesis
Data Security and Privacy	Web Architectures	
Software Design Methodologies	Mobile Development	
- **Calvin University (formerly Calvin College)** Grand Rapids, MI
Bachelor of Science in Engineering with Honors; GPA: 4.00 *May 2016*
 - **Concentration:** Electrical & Computer
 - **Minors:** Computer Science, Mathematics, and Business

EXPERIENCE

- **DornerWorks Ltd.** Grand Rapids, MI
Embedded Software Engineer *June 2016 - Present*
 - **Web and IoT Application:** Devops work on a Ruby on Rails + distributed JRuby application using MQTT and AWS
 - **Multiprocess C Systems Programming:** Implemented a multithreaded runtime library that communicated with a multi-partition health monitoring application
 - **Continuous Integration:** Stood up a Jenkinsfile pipeline-driven CI platform to remotely cycle power and provide serial access to target boards
 - **Isolation Technologies:** Extended and used separation technologies Xen hypervisor and seL4 microkernel
 - **Simulation Software:** Optimized automotive radar simulation C++ software for speed and fidelity with threading and vector instructions (OpenMP and Intel SSE)
- **Boeing** Everett, WA
Avionics Systems Engineer, Intern *June - August 2015*
 - **Systems Engineering:** Performed systems integration, requirements development, and lab testing

PROJECTS

- **z_check:** C error handling and logging library to enable robust programming practices
- **Smart Home Threat Model:** Threat model for a hypothetical smart home system using STRIDE and DREAD
- **MQTT Security App:** MQTT client for Android that analyzes server configurations for security properties

TECHNOLOGY EXPERIENCE

- **Professional:**

C	Bash	Ruby/Rails	gdb/valgrind	Jenkins
C++	HTML/CSS/JS	Linux	Docker	L ^A T _E X
- **Academic/Hobby:**

Haskell	Rust	Java	React	Android/iOS
Clojure	Go	Python	Threat modeling	

REFERENCES

- **Alice Foo** - *Academic Advisor* alicefoo@uni.edu - (123) 456-7890
- **Bob Bar** - *Colleague* bobbar@biz.com - (234) 567-8901