Kevin Kredit

https://github.com/kkredit

kevinkredit@email.com
(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 Computing and Information Systems; GPA: 4.00   *Anticipated Dec. 2020*
  - ○ **Concentrations**: Cybersecurity, Web & Mobile Computing
  - ○ **Selected Coursework**:

Information Security Principles	Distributed Systems	Mobile Development
Secure Software Engineering	SQL Database Design	Programming Languages
Data Security and Privacy	Web Architectures	Thesis

- **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 EXPIERIENCE

Professional:	C	Bash	Ruby on Rails	gdb/valgrind	Jenkins
	C++	HTML/CSS/JS	Linux	Docker	LaTeX
Academic/Hobby:	Haskell	Rust	Java	Threat modeling	
	Clojure	Go	React	Android/iOS	

REFERENCES