

# Kevin Kredit

<http://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 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
- **MQTT Security App:** MQTT client for Android that analyzes server configurations for security properties
- **IoT Irrigation:** Irrigation control system using mesh networking and a 3G gateway connecting to a web UI

## TECHNOLOGY EXPERIENCE

- |                          |         |             |               |                 |                                 |
|--------------------------|---------|-------------|---------------|-----------------|---------------------------------|
| • <b>Professional:</b>   | C       | Bash        | Ruby on Rails | gdb/valgrind    | Jenkins                         |
|                          | C++     | HTML/CSS/JS | Linux         | Docker          | L <sup>A</sup> T <sub>E</sub> X |
| • <b>Academic/Hobby:</b> | Haskell | Rust        | Java          | Threat modeling |                                 |
|                          | Clojure | Go          | React         | Android/iOS     |                                 |

## REFERENCES

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