

Kevin Kredit

<https://kkredit.github.io>

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

EXPERIENCE

- **DornerWorks Ltd.** Grand Rapids, MI
Full-Stack Developer *2019 - Present*
 - **React+Redux Electron App:** Developed a TypeScript Node app dual-targeting the web and Electron
 - **Cloud and IoT Applications:** Ran full-stack devops using AWS IoT, Lambda, Elastic Beanstalk, Docker, MySQL, Ruby on Rails, React, and Ruby and Python client applications; included legacy and greenfield projects; led a successful port of a legacy application to Elastic Beanstalk*C Systems Programmer* *2016 - 2019*
 - **Continuous Integration:** Regularly set up Jenkins and GitLab CI environments, including remote hardware power power cycle and serial access; advocated for and implemented vulnerability scanning with SonarQube
 - **Hypervisors and Kernels:** Extended and used separation technologies Xen hypervisor and seL4 microkernel
 - **C/C++ Performance Optimization:** Optimized automotive radar simulation C++ software for speed and fidelity with multi-threading and vector instructions with 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

- **Elm SPA:** A tool to view argument maps written in Elm
- **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

TECHNOLOGY EXPERIENCE

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|--------------------------------|------------|-------------|--------|-----------------|---------------------------------|
| • Professional: | AWS | React/Redux | Linux | CI/Jenkins | gdb/valgrind |
| | HTML/JS/TS | Ruby/Rails | Docker | C/C++ | L ^A T _E X |
| • Academic & Hobby: | Elm | Rust | Go | Python | Android/iOS |
| | Haskell | Clojure | Java | Threat modeling | |

REFERENCES

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