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**: Agile development on a Node app dual-targeting the web and Electron
  - **Cloud and IoT Applications**: Devops work on AWS with MQTT, Lambda, Elastic Beanstalk, Docker, MySQL, Ruby on Rails, React, and Ruby and Python client applications; includes 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

- **5-Language Puzzle Solver**: Solves "scramble squares" puzzles in five languages to learn and compare
- **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

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

REFERENCES

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