Kevin Kredit

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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 technology and policy

- **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
  Software Engineer   *June 2016 - Present*
  - ○ **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
  - ○ **Continuous Integration**: Regularly stand up Jenkins and GitLab CI environments, including remote hardware power power cycle and serial access; advocated for and implemented vulnerability scanning with SonarQube
  - ○ **Separation Technologies**: Extended and used separation technologies Xen hypervisor and seL4 microkernel
  - ○ **Simulation Software**: 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

- **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:	AWS	React/jQuery	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