Kevin Kredit

https://kkredit.github.io

kevinkredit@email.com
(789) 456-1230

OBJECTIVE

Full-stack software developer interested in building reliable, safe, and secure systems.

EXPERIENCE

- **DornerWorks Ltd.** .... Grand Rapids, MI
  Full-Stack Developer   *2019 - Present*
    - **Multiprocess Embedded Python**: Fully architected an Erlang-inspired Python IoT application managing events and connections from sensors, peripherals, and the cloud
    - **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 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; championed 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

EDUCATION

- **Grand Valley State University** .... Grand Rapids, MI
  Master of Science in Applied Computer Science; GPA: 4.00   *December 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

PROJECTS

- **Elm SPA**: A tool to view argument maps written in Elm, a Haskell-inspired frontend language and framework
- **Smart Home Threat Model**: Threat model for a generic smart home system using STRIDE and DREAD
- **z_check**: C error handling and logging library to enable safe and secure programming practices

TECHNOLOGY EXPERIENCE

• **Professional**:	TypeScript	AWS	Python	Linux/Bash	CI/Jenkins
	React+Redux	Ruby on Rails	C/C++	Docker	LaTeX
• **Academic & Hobby**:	Haskell	Rust	Go	Threat modeling	
	Elm	Clojure	Java	Android/iOS	

REFERENCES

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