Kyle Den Hartog
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GitHub: https://github.com/kdenhartog
Address: 618 S Van Buren St. APT# 2, Iowa City, IA 52240 (Intend to relocate)

Education:

University of Iowa, Iowa City, IA   Anticipated May 2017
Bachelor of Arts in Computer Science
Kirkwood Community College, Iowa City, IA   May 2015
Associates Degree in Liberal Arts

Relevant Skills:

- Knowledgeable in Blockchain ledger technology and cryptocurrencies (Bitcoin and Ethereum)
- Driven towards efficiency without cutting corners on quality or security
- Visionary with motivation to innovate for the future

Relevant Programming Languages and Projects:

Java – High Proficiency

- Designed Swift Shift, an Android game on the play store with 100 downloads
- Simulated an Amazon warehouse, contributing about 1000 lines of java code
- Implemented a secure one-time-pad encryption scheme and RC4 stream cipher schemes
- Created a one-time-password algorithm that can be implemented with current password systems to create a method of replacing passwords. (pivoted to an identity Blockchain to resolve issues discovered)
- Developed a password manager using AES encryption and SHA512 hashing with open source libraries

Python – Medium Proficiency

- Developed a Peer-to-Peer chat client using UDP and TCP socket programming in Python
- Wrote a web server that manually validates GET Header requests and responds accordingly
- Wrote an automation script for OWASP ZAP to reduce the time spent setting up scans by approximately 10 minutes per scan

HTML5/CSS/JavaScript – Medium Proficiency

- Created a personal website using Jekyll for static content creation, GitHub pages for hosting, and Cloudflare to enable HTTPS with a custom domain on a GitHub page.

Agda, Bash Scripting, C, MIPS – Limited Proficiency

Professional Experience:

Information Security Engineer I   May 2016 - Present
ProCircular Inc., Iowa City, IA

- Conducted vulnerability assessments and red team penetration tests using various tools on Kali Linux
- Communicated with a diverse range of clients and colleagues to identify and mitigate security concerns
- Created Privacy-in-a-Box - A full service personal privacy & protection program to assist high net worth individuals learn personal privacy best practices

Receiving Coordinator
University of Iowa Distribution Center, Iowa City, IA   August 2015 - May 2016

- Trained 5 new team members about our processes and systems
- Inspected daily summaries with an eye for detail to identify and correct errors made
- Coordinated with a team of 3-5 to identify issues of concern; such as incorrect orders

Collegiate Activities:

U. of Iowa Founders Club, member   Spring 2016
U. of Iowa Startup Games, participant   Spring 2016
Career Leadership Academy, participant   Fall 2014
ACM Collegiate Programming Competition, Kirkwood Team   Fall 2014