

John Rader

Software Engineer



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JohnRader

About Me

Recent Computer Science graduate with extensive knowledge of Object-Oriented Programming and application architecture. Proficient in multiple programming languages and expert understanding of web services, network protocols, and algorithms. A quick learner and natural problem solver with strong interpersonal skills. Seeking to learn and grow while working in a fun and exciting team environment.

Coursework

Undergraduate

Data Structures
Object Oriented Programming
Operating Systems
Computer Architecture
Programming: Penetration Testing
Programming Languages
Computer Security
Encryption
Discrete Mathematics
Applied Linear Algebra

Skills

Programming

Proficient:

Python - Java - JavaScript

Prior Experience:

C - C++ - LaTeX - HTML5
PHP - Swift - BASH - PowerShell

Frameworks/Tools:

React/Node.js - Git - MATLAB
SciPy - NumPy

Education

Lewis University | BS in Computer Science | GPA (3.4/4)
May 2018 | Romeoville, IL

Awards and Positions

Dean's List

Best Buy Award of Excellence

Cyber-Security Group Member

LU LaSallian Grant

Tutor/Judge, Robotic Engineering Challenge for High School Students, Joliet Junior College

Projects

Computer Infrastructure Capstone Project | Computer Networking

I worked with three other students in the design, implementation and testing of a medium-to-large networked computer system for a not-for-profit community organization. Additionally, we covered topics in professional ethics, intellectual properties, privacy and professional communication.

Swiss Army Knife Application | Java

A Java developed program focusing on the use of Object-Oriented Programming to pull data from a given URL using a single thread or multi-threading.

Python Buffer Overflow | Python on Kali VM with FreeFloat STP Server

A Python script designed to establish an FTP connection to a server running on a Windows VM to identify the vulnerability to the buffer overflow exploit. Using the exploit, the script is able to inject a shellcode to allow for remote access on the targeted FreeFloat STP Server.

File Encryptor | Java

Java developed app used to encrypt any given text file using four different encryption methods.

SSH Brute Force | Python

A Python script designed to brute force into a given host using passwords from a given list or by generating its own passwords. Once there are three incorrect attempts, the connection is dropped and it attempts to reinitialize the SSH connection.

Experience

Oct 2014 - Present

Inventory Specialist/Sales Associate

Best Buy

- Oversaw back of store logistical operations.
- Trained two to three new employees quarterly and ran a team of up to five.
- Prepared and filed credit card application into our database and contacted the bank when necessary.
- Accurately and efficiently logged all daily shipping and receiving orders in database.
- Worked with clients in person and over the phone to evaluate personal computing needs.

June 2013 - Oct 2014

Service Clerk

Jewel-Osco

- Assisted customers with resolving store and product complaints.
- Processed roughly 50 cash/credit transactions per shift.