Matthew Crumley

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EDUCATION

Texas State University   **San Marcos, TX | Graduated May 2019**

Bachelor of Science in Computer Science with a Minor in Applied Mathematics

GPA: 3.6 | Deans List: 2017-2019

Relevant Coursework: Software Testing, Computer System Security, Database Systems, Datamining and Information Retrieval, Operating Systems, Computer Architecture, Object Oriented Design and Programming, Data Structures and Algorithms

SKILLS

Languages: C++, HTML/CSS, JavaScript(Some Experience), Java(Some Experience), SQL(Some Experience), Python(Some Experience)

Other: Windows, Linux, phpMyAdmin, Git and GitHub

EXPERIENCE

NCSOFT   **Austin, TX | 2009-2014**

- **Customer Service Representative:** I answered customer questions about various technical, billing, and gameplay issues. In addition, I created Confluence pages to help new agents understand policy and procedures.
- **QA Tester:** Used various tools and methods to test NCSOFT games and reported defects to the development team.

PROJECTS

My Recipes: Users can save their favorite recipes from across the web and presents them in a user-friendly, Pinterest like layout. Uses HTML/CSS, Bootstrap, the Express web framework for Node.js, RESTful routing, and Mongoose (a MongoDB object modeling tool) for data persistence.

CPU Simulator: A C++ based program that simulates how a CPU, ALU, and memory handle instructions. Tracks total number of clock cycles, cache flushes, memory operations, predictive branches, and the number of predictive branches taken.

Computer System Security Project: A project in which I:

Used Linux iptables and Cisco firewall to enforce a security policy.

Learned how to exploit and defend a Linux system's SSH service.

Learned how to exploit and defend against an SQL injection attack.

Learned how to crack a WEP key to access a wireless network.

Learned how to exploit a flawed encryption algorithm to decrypt an encrypted file