

Lenin Estrada

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EDUCATION

Northwestern University, Evanston, IL

Robert R. McCormick School of Engineering and Applied Science

Bachelor of Science – Computer Science; September 2016 - June 2020

GPA: 2.965 (Cumulative); 3.531 (Major)

Relevant Coursework: Operating Systems, Networking, Machine Learning, Data Structures, Discrete Mathematics, Internet Security, Digital Forensics, Network Penetration & Security, Algorithms, Scalable Architectures (AWS)

RELEVANT EXPERIENCE

*Internships in this section were once/twice a week during the time frames

Huron Consulting Group, Chicago, IL

Aug. 2015 – June 2016

IT Technical Support Intern

Aug. 2014 – June 2015

- Communicated problems and solutions to team members and non-technical audiences to help resolve software-related issues with client devices
- Fulfilled movements and replacements across the firm for endpoint devices and related equipment as required
- Ensured compliance of endpoint equipment and delivery standards in accordance with IT department guidelines
- Utilized MS Office (Word, Excel, Outlook) to complete data entry tasks related to endpoint hardware management
- Operated as a Spanish interpreter for Spanish-speaking clients

Morgan Stanley, Chicago, IL

Aug. 2013 – June 2014

IT Intern

- Led implementation of proper security protocols with returned endpoint devices and sensitive information contained therein
- Provided technical support to employees from various divisions across the company and projects as required
- Utilized basic and advanced troubleshooting techniques to solve various software-related issues
- Maintained organization of inventory for quick retrieval of essential tools and endpoint devices needed to resolve software and hardware related client issues
- Troubleshoot and resolve mobile device issues (iPhone and Blackberry models)

OTHER EXPERIENCE

Archer Auto Glass, Chicago, IL

August 2020 – Present

Vehicle Window Tinter

- In charge of fixing and installing various types of window tint films and percentages for cars of all makes and models including Porsche, Audi, and Mercedes-Benz

PROJECTS

AWS News Importer

- Designed & implemented a RESTful API to create a basic news search engine using Java and AWS that downloads latest common crawl news articles, streams more than 100,000 documents to an Elasticsearch index, and displays the results to the user.
- Demo: <https://streamable.com/u40k89>

ETW APT Detector

- Extended the current capabilities of MORSE, an IDS capable of detecting Advanced Persistent Threat (APT) campaigns in real-time while generating a compact scenario of suspicious events. Modifications consisted of implementing tag decay and tag attenuation functionality, as well as propagation policies to further mitigate false positive dependency explosions

xv6 OS

- Implemented system calls to extend functionality on the xv6 operating system such as file system tagging, threading, copy-on-write fork, and ps shell command using the C programming language

Articulate

- Designed a conceptual UI/UX design for a modern language-learning platform which users can extend and customize

PDFuse

- Developed a Flask web application using Python as backend for PDF file manipulation
- Users can merge, extract, delete, parse, convert, sign, encrypt, and edit singular or multiple PDF files

ACTIVITIES

- **Codeforces.com** – Solved various coding problems each week to polish programming skills and learn more advanced techniques in areas such as dynamic programming, graph and number theory, data structures, and algorithms.

TECHNICAL SKILLS

- **Programming/Scripting:** Python, C++, C, MATLAB, bash, HTML, CSS, JavaScript, Ruby, Java, x86 Assembly
- **Libraries/Frameworks:** Selenium (WebDriver), bootstrap, Maven, Flask, Ajax, jQuery, PDF.js
- **Cloud:** AWS (EC2, S3, EB, ES), Heroku, Google Cloud
- **Other:** John the Ripper, Volatility, Linux, Wireshark, Nessus, Nmap, Metasploit, VirtualBox, VMware, Git, Anaconda

FOREIGN LANGUAGES

- Spanish (Native), French, Japanese, German (Intermediate), Russian, Polish (Elementary)