

Leonardo Santos

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Programming

C#
Python
Java
HTML
JavaScript
SQL
Bash
C++
C
Ruby

Frameworks

WPF, WCF, Entity Framework

Tools

Jira, Confluence, Bitbucket, Git

Operating Systems

Windows, Mac OS, Linux

Languages

English, Tagalog

Experience

06/18-Now

IT Litigation Consultant

DisputeSoft

- Drafted expert, rebuttal, and investigative reports by reviewing and analyzing disputed source code, databases, and computer systems.
- Worked on numerous cases including copyright infringement, trade secret misappropriation, software patent infringement, and software project failure.
- Performed time-constrained source code reviews for different software including a review of a video codec implemented in C++ and a web application written using the Meteor JavaScript framework.
- Developed custom software tools for investigations such as, a tool written in C# which analyzes unit tests for adherence to unit testing best practices and a tool written in Python to extract git repository metadata.

01/18-05/18

Software Development Intern

DisputeSoft

- Developed code for a thin-client, n-tier application for automatic code comparison and analysis utilizing C# development tools, frameworks, and design patterns, such as, Visual Studio, WCF, WPF, MVVM and Entity Framework.

06/17-08/17

Software Development Intern

Prime Solutions LLC

- Leveraged Atlassian Suite (Jira, Confluence, Bitbucket) in an agile workflow development environment.
- Analyzed malware written in C++ using Visual Studio, x64dbg, and WinDbg.
- Developed a C++ program to interface with a simulated malware command and control server to perform web injections in a controlled infection.

05/16-08/16

Intern

J52B Cyber Operations, MITRE Corporation

- Researched topics related to digital signatures and wrote white papers on Bitcoin operations, security flaws in DNS protocol, and the Dark Web.
- Demonstrated that a user can be identified and tracked by their browser fingerprint generated using JavaScript.

01/15-12/17

Security Operations Center Intern

Div. of IT, Univ. of Maryland College Park

- Performed log analysis, wrote Python scripts for sending emails to departments that have vulnerable machines, and tested University of Maryland websites for SQL Injection vulnerabilities.

Education

2014 – 2018

University of Maryland College Park

Graduated: May 2018

Bachelor of Science in Computer Science

Bachelor of Art in Criminology and Criminal Justice

Minor in Cyber Security

Honors College, Advanced Cybersecurity Experience for Students (ACES)

Overall GPA: 3.506 / 4.0

Relevant Coursework: Object-Oriented Programming I and II, Introduction to Computer Systems, Discrete Structures, Algorithms, Organization of Programming Languages, Computer Networks, Wireless Networking, Penetration Testing, Cryptology, Introduction to Artificial Intelligence.

2018 – 2020

Champlain College

Anticipated Graduation: 2020

Master of Science in Digital Forensics

Overall GPA: 4.0 / 4.0