

# Jorge Garcia

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## PROFESSIONAL EXPERIENCE

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### Cybersecurity Analyst & Penetration Tester

2021 – Current

*Dox Electronics*

NY

- Perform audits for Defense Industrial Base (DIB) companies seeking *CMMC*, *NIST 800-171*, *NIST SP 800-53*, and *NY SHIELD* compliance.
- Perform all phases of *internal and external penetration testing*.
- Successfully completed *Red Team engagements* including physical security control testing.
- Designed, developed, and maintained internal SOP web application to *optimize the customer auditing process*.
- Perform *web application testing* based on OWASP TOP 10 framework.
- Designed and implemented a *new product* for customers seeking phishing testing and training.
- Designed, developed, and implemented a new recurring revenue product to perform routine vulnerability assessments on customer internal networks.
- Perform *Email Data Leak* audits on multiple cloud platforms and vendors.
- Perform *Cloud audits* on AWS and Azure, both hybrid and pure-cloud environments.
- Delivered *custom written reports and presentations* to customers and stakeholders with findings.
- Perform *Man-in-the-Middle* attacks and *wireshark* packet analysis to recover SMB objects, VoIP phone calls, print jobs, etc.
- Perform *OSINT* reconnaissance for a more comprehensive *external threat footprint* overview for customers and C-level executives.
- Write reports with *actionable intelligence* and *action items* that translated to more secure client organizations.
- Develop automation tools to perform email spoofing and relaying attacks for phishing campaigns.
- Help customers with Incident Response by request.

### Jr Dev-Ops Engineer

2019 – 2021

*University of Nevada Las Vegas*

*Las Vegas, NV*

- Maintain and monitor workstations, labs, student-facing servers, faculty-facing servers, and networks for the Dept. of Computer Science.
- Assess and troubleshoot computer problems brought by students, faculty and staff.
- Develop new web-apps for monitoring and logging and automate processes and procedures.
- Monitor internal subnet for intrusions and develop documentation and procedures for incident response.
- Implemented an internal inventory system web application - *python, flask, PSQL*

### Intern

2021– 2021

*Maryland Innovation and Security Institute*

*Remote*

- Intern for the *Cyber Education Diversity Cybership*
- Build skills in network and log analysis at a Security Operations Center *SOC*
- Complete the Cybersecurity Maturity Model Certification *CMMC*

### Undergraduate Research Assistant

2020 – 2021

*University of Nevada Las Vegas*

*Las Vegas, NV*

- Researched Optical Character Recognition and developed a plugin to read, parse, and analyze data on a web application.
- Developed a social distancing detector using Deep Learning, OpenCV, and YOLOv3. Paper published by UNLV.
- Developed a polaroid filter extraction application using Conditional Adversarial Networks and OpenCV paper published by ITNG.

### Officer

2019 – 2021

*Layer Zero Cybersecurity Club*

*Las Vegas, NV*

- Hosted an instance of OWASP's Security Shepherd web-app to develop cybersecurity skills.
- Manage and post on the club's website and blog.
- Publish write-ups to CTF exercises.

## Volunteer

*Cimarron Memorial High School*

2021 - 2021

*Las Vegas, NV*

- Mentor High School students from their cybersecurity club.
- Teach basics and introductory cybersecurity terminology and concepts.

## Volunteer

*OWASP*

2019 – 2020

*Las Vegas, NV*

- Volunteer setting up quarterly meetings and cybersecurity conferences.
- Attend cybersecurity conferences to promote OWASP.

## EDUCATION

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### University of Nevada Las Vegas

*Bachelor of Science in Computer Science - Cybersecurity Concentration*

Las Vegas, NV

*May 2021*

### La Salle University

*Bachelor of Business Administration*

Mexico

*May 2012*

## TECHNICAL SKILLS AND TOOLSETS

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**Languages:** Swift, Bash, Java, Python, SQL, JavaScript, HTML/CSS

**Frameworks:** SwiftUI, UIKit

**Developer Tools:** Git, Docker, ELK stack, Puppet Technologies, Ovirt Virtualization Manager, Proxmox, Active Directory, AWS, AZURE, Google Cloud Platform, multiple linux distributions, Wireshark, Nagios Monitoring

**Tools:** Nessus, BurpSuite, ZAP, Ghidra, IDA Pro, Wireshark, Nmap, msf, greenbone

## CERTIFICATIONS & RELEVANT COURSES

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**Active Countermeasures:** Threat Hunting

**Google - Coursera:** Technical Fundamentals, Python and OS', Config. Management and the Cloud

**CodePath:** iOS Development

**CodePath:** Cybersecurity

**NASA - Desert Research Institute:** Cybersecurity Bootcamp

**UNLV - Graduate School:** Digital Forensics