

Leonel Jerez Jr

North Carolina, USA

910-364-3874 | leoneljerez1022@gmail.com | linkedin.com/in/leonel-jerez | github.com/leoneljerez

PERSONAL EXPERIENCE

OPNsense Network Security Setup

- Designed and deployed a secure network using OPNsense, integrating IPS/IDS for real-time threat detection and mitigation.
- Configured advanced firewall rules to block DNS-over-HTTPS, enhancing traffic visibility and ensuring the ability to packet sniff.
- Monitored and analyzed network traffic to identify potential threats, optimize detection accuracy, and ensure reliability of the network.

Tunestore Vulnerability Assessment

- Conducted a vulnerability analysis of a music store website, identifying critical risks using ZAP Vulnerability Scanner.
- Rewrote code and performed penetration testing to validate mitigations, ensuring a 90% reduction in critical vulnerabilities.

The Movie Database

- Engineered and developed a React.JS web app by using the TheMovieDB API, Axios, and Material-UI framework, enabling users to search for movie titles, rate them, and access detailed information (release date, ratings, IMDb link, etc.) by selecting individual movie titles.

Garden Spy

- Led a team of 6 as a Scrum Master using biweekly sprints to develop an Android App that automates plant care using a Raspberry Pi with sensors.
- Debugged Python scripts to ensure secure data transmission and optimized Firebase database performance.

PROFESSIONAL EXPERIENCE

Patent Examiner

United States Patent & Trademark Office | Remote, NC, USA | 09/2022 - 01/2023

- Conducted in-depth analysis of complex computer-related patent applications to ensure compliance with legal and technical standards.
- Authored detailed office actions to identify patent application issues, streamlining the patent prosecution process.

WordPress Developer

Guided Innate Aware Life Coaching | Remote, NC, USA | 08/2021 - 08/2021

- Designed and developed user-friendly web pages, addressing key issues to improve functionality and visibility.
- Optimized the client's social media business profile, enhancing professional appearance and customer engagement.

Assistant

Jerez Electric Heating & Cooling | Fayetteville, NC, USA | 05/2019 - 08/2019

- Organized financial records and tracked expenditures to assist in financial planning and tax preparations.
- Provided administrative support by managing communication with clients and tracking project updates.

EDUCATION

Masters of Science in Computer Science

University of North Carolina at Charlotte | Graduated: 2024 | GPA: 3.5

- Relevant Coursework: Secure Program Penetration Testing, Network Security, Computer Communication & Networks, Principle Information Security & Privacy

Bachelors of Science in Computer Science

University of North Carolina at Charlotte | Graduated: 2020

TECHNICAL SKILLS

Security Tools: OPNsense, IDS/IPS, ZAP Vulnerability Scanner, Wireshark, Firewall

Networking: Threat Analysis, DNS Security, Packet Inspection, Network Monitoring

Programming: C#, Python, Java, SQL, HTML5, CSS, React.JS, JavaScript, Bootstrap, WordPress

Frameworks & Methodologies: Agile Scrum, Quality Assurance, Vulnerability Management

Other Tools: Microsoft Visual Studio, Raspberry Pi, Firebase, Git, Adobe Photoshop, Microsoft 365

Languages: Spanish (Fluent)