Natalia Abigail Pérez Romero

Computer scientist

+52 55 85 75 16 53 | nataliapr08@gmail.com | https://www.linkedin.com/in/natalia-abigail-perez-romero-napr08/ | github.com/NataliaPerez08

SUMMARY

I am a highly skilled and driven computer scientist with expertise in software development, algorithm design, cloud computing, and operating systems. Grounded in strong computer science fundamentals and fueled by a passion for innovation, I have developed a versatile skill set that includes network security, distributed systems, data science, and AI. My aim is to apply my technical expertise and analytical problem-solving to design scalable, efficient, and secure systems that deliver impactful and sustainable results.

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, TypeScript, Rust, Go
Cloud Platforms: Huawei Cloud, AWS, GCP, Azure
Networking & Security: Protocol design, VPNs (WireGuard, IPsec), cloud security best practices, firewalls, cryptography, network protocols
System Architecture: Distributed systems, cloud computing, microservices
Version Control: Git, GitLab, GitHub
DevOps: Docker, Kubernetes, Terraform
Databases: SQL, PostgreSQL, MySQL, MongoDB
Operating Systems: Linux, Windows
Libraries: Spring, TensorFlow, Keras, PyTorch, NumPy, Pandas, Scikit-learn

SOFT SKILLS

Problem-Solving: I excel at breaking down complex technical challenges and delivering innovative, practical solutions.

Collaboration & Teamwork: I communicate effectively and work seamlessly with cross-functional teams to achieve shared goals.

Adaptability: I am quick to learn and adapt to new technologies and methodologies in fast-paced, dynamic environments.

Resilience: I remain focused and maintain a positive, solution-oriented mindset in the face of challenges and setbacks.

Time Management: I am highly organized, capable of managing multiple projects simultaneously and consistently meeting deadlines.

Critical Thinking: I have a keen eye for evaluating and improving system performance, security, and scalability.

Leadership: I lead technical teams with confidence, mentor peers, and create a collaborative atmosphere for growth.

Attention to Detail: I ensure precision and quality in my code, system designs, and documentation, focusing on the finer details.

EXPERIENCE

Technical Account Manager   June. 2024 - Present
Huawei Cloud   *CDMX, México*

- As a Technical Account Manager, I am responsible for managing and supporting the technical needs of clients using Huawei Cloud services.
- My role involved: Providing technical guidance and support to clients, assisting in the design and implementation of cloud solutions, troubleshooting technical issues, and ensuring customer satisfaction.

Teaching Assistant – Discrete Structures   Aug. 2024 - Nov. 2024
Facultad de Ciencias, UNAM   *CDMX, México*

- As a teaching assistant for Discrete Structures, I supported the professor in delivering key concepts of discrete mathematics and theoretical computer science to undergraduate students.

- My Responsibilities included: Leading problem-solving workshops and tutoring sessions, grading assignments and exams, assisting in the creation of additional study materials and exercises.

Teaching Assistant – Operating Systems   Feb 2024 - Jul 2024
Facultad de Ciencias, UNAM   *CDMX, México*

- As a teaching assistant for Operating Systems, I worked closely with the professor to teach foundational concepts of system-level programming and operating system design, clarifying complex topics, supporting students in grasping abstract concepts and applying them to problem-solving, grading theoretical assignments and exams.

PROJECTS

Thesis: Design of a Minimalist Orchestrator Using WireGuard | *Python, Wireguard, Linux network modules, Docker* Ju

- I designed and developed a minimalist orchestrator to manage virtual private networks (VPNs) using the WireGuard protocol.
- The goal was to create an efficient, lightweight, and secure system that automates VPN peer management in distributed environments.
- **GitHub Repository:** https://github.com/NataliaPerez08/docsTesis

Electromagnetic Spectrum Classifier Obtained by FORS | *Python, NumPy, Scikit-learn, Pandas, Matplotlib, PyQt* Aug 2

- Developed a classifier for hyperspectral images of objects belonging to Mexico's cultural heritage using supervised learning algorithms
- Utilized Python libraries including NumPy, Scikit-learn, Pandas, Matplotlib, and PyQt to process and classify data

- **GitHub Repository:** https://github.com/NataliaPerez08/servicio-social

Veterinary Clinic Database Design | *HTML, CSS, JS, PHP, MariaDB, XAMPP*   Jan 2022 – Apr 2022

- Designed a database to model a veterinary clinic and its clients
- Utilized HTML, CSS, JavaScript, PHP, and MariaDB on XAMPP for full implementation
- **GitHub Repository:** https://github.com/NataliaPerez08/proyectoETE

EDUCATION

Bachelor's Degree in Computer Science   CDMX, México
Facultad de Ciencias, UNAM   *2020 2024*

Technical Studies in Computing   CDMX, México
Escuela Nacional Preparatoria No. 6 "Antonio Caso"   *2018 2020*

CERTIFICATIONS

Introduction to Cybersecurity
Cisco — Issued 03/29/2021

Junior Cybersecurity Analyst Career Path
Cisco — Issued 06/08/2024

Networking Academy Learn-A-Thon 2024
Cisco — Issued 06/17/2024

Ethical Hacker
Cisco — Issued 03/24/2025

Network Technician Career Path
Cisco — Issued 05/03/2025

Networking Academy Learn-A-Thon 2025
Cisco — Issued 06/27/2025

Google Cloud Computing Foundations Certificate
Google Cloud Skills Boost — Issued 07/22/2024

Prompt Design in Vertex AI Skill Badge
Google Cloud Skills Boost — Issued 08/25/2024

Digital Transformation with Google Cloud
Google Cloud Skills Boost — Issued 07/28/2024

Introduction to Security Principles in Cloud Computing
Google Cloud Skills Boost — Issued 07/22/2024

Manage Kubernetes in Google Cloud
Google Cloud Skills Boost — Issued 10/02/2023

Google Cloud Computing Foundations: Data, ML, and AI in Google Cloud
Google Cloud Skills Boost — Issued 09/25/2023

Google Cloud Computing Foundations: Networking & Security in Google Cloud
Google Cloud Skills Boost — Issued 09/20/2023

Google Cloud Computing Foundations: Infrastructure in Google Cloud
Google Cloud Skills Boost — Issued 09/20/2023

Responsible AI: Applying AI Principles with Google Cloud
Google Cloud Skills Boost — Issued 09/13/2023

Generative AI Fundamentals
Google Cloud Skills Boost — Issued 09/12/2023

Introduction to Responsible AI
Google Cloud Skills Boost — Issued 09/09/2023

Introduction to Large Language Models
Google Cloud Skills Boost — Issued 09/09/2023

LFS158: Introduction to Kubernetes
The Linux Foundation — Issued 05/02/2025

Introduction to Version Control with Git
Microsoft — Completed 10/17/2024

Microsoft Azure Fundamentals: Cloud Concepts
Microsoft — Completed 10/17/2024