

# Natalia Abigail Pérez Romero

Computer scientist

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## 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:** AWS, GCP, Azure, CloudOp,

**Networking & Security:** Protocol design, VPNs (WireGuard), cloud security best practices, firewalls, cryptography, network protocols

**System Architecture:** Distributed systems, cloud computing, microservices

**Customer Success:** Technical account management

**Software Development:** Agile methodologies, CI/CD

**Version Control:** Git, GitLab, GitHub

**DevOps:** Docker, Kubernetes, Terraform

**Databases:** SQL, PostgreSQL, MySQL, MongoDB, Oracle database

**Data Science & AI:** Machine learning, deep learning

**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 - Dic. 2024

*Huawei Cloud*

*CDMX, México*

- **Client Relationship Management:** Acted as a trusted advisor, working closely with clients to understand their business needs and align cloud strategies with their objectives.
- **Cloud Infrastructure Optimization:** Provided guidance on the design and implementation of scalable, secure cloud architectures, leading to improved system performance and cost efficiencies.
- **Technical Support:** Led the resolution of complex technical issues, coordinating with internal teams to deliver timely solutions and ensure high levels of customer satisfaction.
- **Cloud Security & Compliance:** Assisted clients in securing their cloud environments by recommending best practices for data protection, compliance, and risk management.
- **Project Management:** Managed cloud migration and deployment projects, ensuring on-time delivery while minimizing downtime and operational risks.

### 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 2023 - Jul 2017

*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. The course topics included:  
Process Management: Process creation, scheduling algorithms (e.g., round-robin, priority-based, multilevel queues), and inter-process communication; memory Management: Virtual memory, paging, segmentation, and memory allocation strategies (e.g., first fit, best fit); File Systems: File organization, access methods, and file allocation techniques; Concurrency: Threads, synchronization primitives (semaphores, mutexes), and deadlock prevention/avoidance; Device Management and I/O: Handling hardware, device drivers, and interrupt handling.
- My Responsibilities included: Assisting the professor in delivering lectures and clarifying complex topics, supporting students in grasping abstract concepts and applying them to problem-solving, grading theoretical assignments and exams with detailed feedback to foster deeper comprehension.

## EDUCATION

### Technical Studies in Computing

CDMX, México

*Escuela Nacional Preparatoria No. 6 "Antonio Caso"*

*2018 - 2020*

### Bachelor's Degree in Computer Science

CDMX, México

*Facultad de Ciencias, UNAM*

*2020 - 2024*

## CERTIFICATIONS

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### NDG Linux Essentials Course - Cisco Networking Academy

*Issued 06/05/2022*

### Introduction to Cybersecurity - Cisco Networking Academy

*Issued 29/03/2021*

### Google Cloud Computing Foundations: Cloud Computing Fundamentals

*Issued 29/06/2023*

### Build a Secure Google Cloud Network

*Issued 09/07/2023*

### Google Cloud Computing Foundations: Networking & Security in Google Cloud

*Issued 20/09/2023*

### Google Cloud Computing Foundations: Infrastructure in Google Cloud

*Issued 24/09/2023*

### Networking Fundamentals in Google Cloud

*Issued 18/01/2024*