

# DANIEL PEREZ PINILLA

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## PROFESSIONAL PROFILE

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Systems Engineering student at Pontificia Universidad Javeriana with a focus on Computer Graphics. I am passionate about developing technological solutions through digital tools, with a strong interest in Web Development and UI/UX Design. I possess knowledge in Full Stack development, engineering fundamentals, and AI integration acquired through academic training and hands-on projects.

I am an organized, critical, and adaptable individual who values continuous learning and teamwork. I am currently seeking an internship opportunity to apply my knowledge, strengthen my skills in real-world environments, and contribute to efficient technological solutions.

## WORK EXPERIENCE

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**Academic Teaching Assistant** 2023 - Present  
**Pontificia Universidad Javeriana**

Provide academic support to students in courses such as Introduction to Programming and Advanced Programming.

- Assist in teaching programming fundamentals using C++ and Java.
- Conduct code reviews focused on readability, consistency, and development best practices.
- Provide continuous feedback on academic activities to strengthen the student learning process.
- Developed analytical, technical, and communication skills through academic tutoring and problem-solving.

**Volunteer / PROSOFI Member** 2022  
**Pontificia Universidad Javeriana**

Participated in a social program teaching basic English to underserved communities.

- Supported English language instruction for both adults and children.
- Collaborated with a large team to develop educational activities.
- Strengthened teamwork, communication, and social commitment skills.

## EDUCATION

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**B.S. in Systems Engineering** 2022-2026  
**Pontificia Universidad Javeriana**

**Relevant Coursework:** Software Architecture, Data Structures, Software Analysis & Design, Web Development, Data Visualization, Database Administration, Software Engineering, and Computer Graphics.

## TECHNICAL SKILLS

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- **Development:** Next.js, React, Angular, Spring Boot, Node.js, NestJS, .NET, Postman y Swagger.
- **DevOps & testing:** Git, GitHub Actions, Docker, Selenium y JMeter.
- **Databases:** SQL Server, PostgreSQL, Supabase, Firebase, MongoDB y MariaDB.
- **Programming Languages:** Python, JavaScript, Java, C++ y C#.
- **Design & Visualization:** Figma, Tailwind CSS, Power BI, Adobe Photoshop, Miro y Excel intermedio.
- **Methodologies:** Scrum, Kanban y CRISP-DM.

## PROJECTS

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**Alzheimer's Diagnostic Support System**  
**Pontificia Universidad Javeriana**

2025 - Present

- Lead the development and definition of the system architecture.
- Designed a clinical interface focused on usability and result visualization.
- Implemented heatmaps on MRI images using interpretability techniques such as Grad-CAM and CBAM.

**Academic Project Management System**  
**Pontificia Universidad Javeriana**

August 2025 - November 2025

- Developed a web platform for the planning, tracking, and closing of academic projects.
- Implemented interactive Kanban boards for task management.
- Designed system interfaces and screens following visual consistency and user experience (UX) criteria.

**Interactive Road Safety Board Game**  
**Colegio San Bartolomé La Merced**

2021 - 2022

- Programmed the LED traffic light control logic in C for Arduino.
- Achieved a 98% approval rating during project validation with primary school students.
- Published the project in the TicAls magazine of Colegio Abraham Lincoln.

## LANGUAGES

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- **Ingles:** C1 / IELTS Academic: 7.5.
- **Español:** Nativo.