DANIEL GARCIA VASQUEZ

COMPUTER SCIENTIST
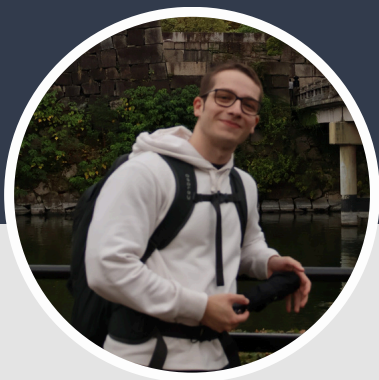
CONTACT ME

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- 📍 Clausthal-Zellerfeld , Germany
- 🌐 portfolio.dawpaw.com

LANGUAGES

- Spanish (Native)
- English (Fluent)
- German (Fluent)
- Japanese (Intermediate)

TECHNICAL SKILLS

Programming Languages

Python | C | C++ | Javascript | Typescript | Java

Full-Stack Web development

Svelte | Tailwind | FastAPI | Django | Flask

Databases

SQL (PostgreSQL) | Graph Databases (Neo4J) | Vector Databases

LLM

Ollama | LangChain

DevOps

Git | Docker | UML

PROFILE

I am a multilingual Computer Science master's student with over three years of experience in software development and academic research. My background includes full-stack development, automated testing, and applied AI. I am passionate about building smart, scalable systems with real-world applications and have been recognized with multiple academic awards and scholarships in both Colombia and Germany.

WORK EXPERIENCE

Clausthal University of Technology
Full-Stack Web Developer
FEB 2022 – SEP 2025

- Supported the development of a customized search engine as a research assistant.
- Developed a responsive Svelte-based web interface for a research search engine.
- Conducted consistent refactoring to improve code efficiency.

Clausthal University of Technology
Software developer
Apr 2022 – Mar 2025

- Refactored and ported an academic bug research framework to Python.
- Added new features and build configurations using Ant and Maven.
- Implemented EvoSuite for automatic test generation on ten Apache Projects.

Clausthal University of Technology
Student Assistant
Oct 2023 – Aug 2024

- Student Assistant for the IT-Security and Computer Networks and Distributed Systems lectures
- Assisted the students with extra weekly lectures and exercises.

EDUCATION

Master in Computer Science
2023-2026
Clausthal University of Technology, Germany
Thesis: *From Text to Graph: Automatic Knowledge Graph Construction in Aviation Using Local LLMs*

International Research Exchange
2024-2025
Shibaura Institute of Technology, Japan
Research related to knowledge graph generation and ontologies

Bachelor of Science in Computer Science
2020 - 2024
Clausthal University of Technology, Germany
Thesis: *Similarity Analysis of Energy Datasets for Informed Dataset Selection and Learning*