

Daniel Garcia Vasquez

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PROFILE SUMMARY

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.

EDUCATION

Bachelor of Science in Computer Science

October 2020 - March 2024

Clausthal University of Technology

Master in Computer Science

October 2023 - Present (Expected completion: January 2026)

Clausthal University of Technology - Shibaura Institute of Technology

RELEVANT COURSEWORK

Algorithms and Data Structures | Logic and Verification | Databases | Graphs and Optimization | Theoretical Computer Science | Artificial Intelligence | Software Design | Scientific Computing | Simulation | Advanced Algorithms | Knowledge Graphs and Large Language Models

PROFESSIONAL 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 – Mar 2024

- Student Assistant for the IT-Security Lecture
- Assisted the students with extra weekly lectures and exercises.
- Corrected and graded the students' assignments.

Clausthal University of Technology – Student Assistant

Apr 2024 – Aug 2024

- Student Assistant for the Computer Networks and Distributed Systems lecture
- Assisted the students with extra weekly lectures and exercises.
- Corrected and graded the students' assignments.

TECHNICAL SKILLS

Python | C | C++ | Javascript | Typescript | Java
Svelte | Tailwind | FastAPI | Django | Flask
PostgreSQL | Neo4J
Ollama | LangChain

Note: Some academic programs and assistant roles were conducted in parallel.

Linux

SKILLS

- Spanish - Native
- English - Fluent - TOEIC 985 / 990
- German - Fluent - TestDaF 4 / 4 / 4 / 5 (Reading: 5) – Equivalent to CEFR C1
- Japanese - Conversational level, currently preparing for JLPT N2

HONORS & AWARDS

PROMOS Scholarship from the German DAAD

Sep 2024

- Awarded a scholarship to do an exchange semester in Japan.

State of Lower Saxony Scholarship

2021, 2022, 2023

- Awarded for achieving one of the highest semester GPAs at Clausthal University of Technology.

Scholarship from the National University of Colombia

Jan 2018

- Full-semester scholarship for achieving one of the top national semester GPAs.

Scholarship from the National University of Colombia

Jul 2017

- Full-semester scholarship for a top national score on the university entrance exam.

Andrés Bello Award – Colombian Ministry of Education

Dec 2016

- Recognized nationally for scoring among the top students in the Saber 11° standardized high school exam.

Academic Excellence Awards – Aspaen Gimnasio Horizontes

Jan 2006 - Jun 2016

- Awarded annually for achieving the highest academic performance for 8 years.