Daniel Garcia Vasquez

Tokyo, Japan ● danielgarvas99@gmail.com ● portfolio.dawpaw.com ● https://www.linkedin.com/in/daniel-garcia-vasquez

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: September 2025)
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 – Present
- 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

SKILLS

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

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.