

# Daniel Garcia Vasquez

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## PROFILE SUMMARY

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I am a multilingual Computer Science master's student with over three years of experience in software development and academic research, currently based in Tokyo and open to international roles or relocation, especially within Japan. 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

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**Bachelor of Science in Computer Science**  
*Clausthal University of Technology*

October 2020 - March 2024

**Master in Computer Science**                      October 2023 - Present (Expected completion: September 2025)  
*Clausthal University of Technology - Shibaura Institute of Technology*

## RELEVANT COURSEWORK

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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

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**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

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

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

## SKILLS

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- 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

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### 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.