

CURRICULUM VITAE

MARIA SANTOS

Personal Information:

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PROFILE

Junior software engineer with strong foundations in systems programming and data analysis. Recent graduate eager to contribute to innovative projects.

Trilingual professional comfortable working in multicultural environments.

LANGUAGES

- Portuguese: Native speaker
- German: Fluent (C2 level - lived in Germany for 6 years)
- English: Advanced (C1 level)

PROGRAMMING SKILLS

Languages:

- C++: Advanced (4 years academic and project experience)
- Python: Intermediate (2 years experience)
- SQL, Bash scripting

Technologies:

- OpenCV, TensorFlow, NumPy, Pandas
- CMake, Make
- Linux systems administration
- MySQL, SQLite

PROFESSIONAL EXPERIENCE

Junior Developer | DataSolutions GmbH

March 2023 - Present

- Developing data processing pipelines in Python
- Optimizing performance-critical modules in C++
- Writing technical documentation in English and German

Intern - Software Development | AutoTech AG

September 2022 - February 2023

- Assisted in developing embedded systems using C++
- Created automated testing scripts in Python
- Participated in code reviews and agile ceremonies

EDUCATION

Master of Science in Computer Engineering
Technical University of Berlin
Graduated: August 2022
Thesis: "Real-time Object Detection using Optimized C++ Implementations"

Bachelor of Science in Information Systems
University of Lisbon, Portugal
Graduated: July 2020

PROJECTS

Image Processing Library (C++)

- Developed a lightweight image processing library
- Implemented filters and transformations with SIMD optimizations
- 200+ stars on GitHub

Data Visualization Dashboard (Python)

- Built interactive dashboards using Plotly and Dash
- Automated data extraction from multiple sources

ADDITIONAL INFORMATION

- Volunteer translator for open-source documentation (Portuguese/English)
- Active contributor to Stack Overflow (C++ and Python tags)
- Hobbies: Photography, hiking, language learning

References available upon request