Silvio Luiz Stanzani

Mini Bio

I am a Project Leader at NTT Data Brazil for Innovation Projects in Artificial Intelligence. I have been working on R&D and Research projects since 2005, mainly in the area of Parallel Programming, Distributed Computing. Computer Vision and Artificial Intelligence.

Professional Qualification

- Experience with Python and C programming
- Knowledge of C++ programming
- Experience with developing systems to be deployed in distributed architectures, such as grids and clouds, using Service-Oriented Architecture and Micro Services.
- Knowledge of software engineering methodologies and tools.
- Experience in Artificial Intelligence for software development based on:
    - Computer Vision
    - Foundation Models (LLMs)
    - Neural Networks
- Teaching Distributed Systems and AI experience for undergraduate and graduate degrees

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Education

2009 – 2013 PhD in Electrical Engineering. Escola Politécnica da Universidade de São Paulo, Poli-USP. "A strategy for scaling workflows with parallel and sequential tasks in computational grids" - Advisor: Profa. Líria Matsumoto Sato

2005 - 2008 Master's Degree in Computer Science. Universidade Católica de Santos, UNISANTOS. "Environment based on Computational Grids to support the development of learning objects" - Advisor: Prof. Hermes Senger

1998 - 2002 Bachelor of Science in Data Processing Technology. Faculdade de Tecnologia de São Paulo, FATEC-SP.

Professional Experience

- **07-2021 – Current** NTT Data Brasil
    - Development of Innovation projects using Artificial Intelligence
        - Implemented Computer vision-based projects using OpenCV, Yolo, and Multimodal LLM infrastructures (Azure OpenAI)
        - I have Developed projects based on the use of private 5G network infrastructure
        - I have Developed LLMs-based projects using Azure OpenAI

- **01/2015 - 06-2021** Center for Scientific Computing at Unesp (Brazil)
    - Development of POCs for the use of AI in industry challenges
        - Implemented AI models using Tensorflow, PyTorch, and Scikit-Learning
        - Implemented Computer Vision Applications Using OpenCV and Yolo
    - Teaching of AI in an Artificial Intelligence Residency Project
    - Teaching of parallel programming and performance optimization using Intel hardware and software architecture

- **01/2009 – 12/2014** Escola Politécnica da Universidade de São Paulo USP
    - Performance optimization of an Oil and Gas simulator for Computing Clusters
    - Development of a Data portal for Brazilian Biodiversity deployed at Environment Brazilian Ministry

- **09/2006 – 12/2008** Universidade Católica de Santos (Unisantos)
    - Development of java components for a Learning Management System called Tidia-AE;

- **02/2010 - Current**
    - Teaching at the undergraduate and graduate level disciplines related to Distributed Systems and AI at several Brazilian universities