

# Daniel D'Angelo Resende Barros

Computer Scientist

São Paulo · Brazil

## FIND ME ONLINE

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## EDUCATION

### PhD, Computer Science

Federal University of ABC (UFABC)

2025 – Present Santo André, SP

### PgCert, Data Science & ML

Massachusetts Institute of Technology (MIT)

2025 – 2025 Remote

### MSc, Computer Science

Federal University of ABC (UFABC)

2019 – 2023 Santo André, SP

### MBA, Finance and Administration

Webster University

2008 – 2009 London, UK

### BS, Computer Science

Pontifical Catholic University of São Paulo (PUC-SP)

2000 – 2003 São Paulo, SP

### Post-sec. Technician, Data Processing

Instituto Federal de São Paulo (IFSP)

1996 – 1999 São Paulo, SP

## HONORS & AWARDS

### Distinguished Paper Award

CBSoft'21: 'A Mining Software Repository Extended Cookbook: Lessons Learned from a Literature Review' received a Distinguished Paper award.

### Inventor of githubmining.rc

INOVAUFABC'21: Recognized as inventor of the githubmining.rc technology.

## LANGUAGES

Portuguese Native / Fluent

English Fluent (C2)

German Basic (A1)

## PROFESSIONAL SUMMARY & OBJECTIVE

Computer Scientist with experience in software engineering, technical leadership, and global delivery. After a career in the financial industry in São Paulo and London, now focused on research in Artificial Intelligence and Inclusive Education.

Led global developer training, platform enablement, and AI initiatives, including generative AI (documentation bots, code generation, large-scale learning systems). MSc in Computer Science (UFABC); award-winning research (Distinguished Paper, CBSoft/SBES 2021).

PhD Researcher exploring AI to enhance accessibility and learning in inclusive education. Brazilian-Italian citizen; fluent in Portuguese and English, with basic Italian and German.

## PROFESSIONAL EXPERIENCE

### Professor

06/2026 – Present

#### Pontifícia Universidade Católica de São Paulo (PUC-SP)

São Paulo, SP · Remote

- Faculty member teaching Deep Learning within the Postgraduate Specialization Program in Artificial Intelligence.
- Deliver lectures and hands-on labs on neural networks, deep learning, model development, and deployment, connecting advanced AI concepts to real-world applications through practical projects and industry case studies.

Deep Learning Higher Education Teaching Research and Development (R&D) Python

### Doctoral Researcher

06/2025 – Present

#### Federal University of ABC (UFABC)

Santo André, SP

Software Engineering Artificial Intelligence Inclusive Education

### Software Engineering Manager

05/2022 – 06/2024

#### Genesis Global

São Paulo & London

- Led a multidisciplinary learning team, driving documentation migration, technical enablement programs, and LMS adoption to improve user experience and platform growth.
- Spearheaded global developer training and AI initiatives, delivering generative AI solutions including documentation assistants, code generation, and intelligent services.

Python Java AWS Machine Learning Generative AI LMS Technical Training Banking

### Research & Development

01/2018 – 06/2024

#### Channel 360

São Paulo, SP

- Led the Software R&D team, providing technical advisory, mentoring developers, and speaking at industry events.
- Contributed to academic and innovation projects involving IoT, cloud computing, robotics, and citizen science; co-authored scientific publications.

Java .NET Core Angular JS Azure AWS Kubernetes IoT

### Software Engineering Manager

2000 – 2017

#### Solera, Banco Daycoval, Banco BV, Royal Bank of Scotland, Crivo

São Paulo & London

- Responsible for sustaining and project platforms, budget planning, resource allocation, software factory management, and delivery control.
- Acted as facilitator and primary business contact for software projects.

Java .NET Angular JS Python AWS Azure Banking