



Frederico José Ribeiro Pelogia

Computer Engineering
Student

Contact Information

Cellphone:

+55 (12) 98120-1460

E-mail:

fredpelogia@outlook.com
fpelogia@unifesp.br

Linkedin:

www.linkedin.com/in/fpelogia

Portfolio (GitHub):

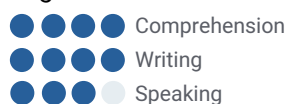
fpelogia.github.io

Address:

Av. Presidente Juscelino
Kubitschek, 5490. Ap. 98
São José dos Campos - SP

Languages

Portuguese - Native
English



Further Education

- Neural Networks and Deep Learning (DeepLearning.AI - Coursera)
- Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization (DeepLearning.AI - Coursera)
- Data Science Math Skills (Duke University - Coursera)
- Managing Machine Learning Projects with Google Cloud (Google Cloud - Coursera)

Skills

Programming Languages:

- C / C++
- Python
- MATLAB
- Java
- Javascript + NodeJS
- HTML + CSS + PHP

Capabilities:

- Design and analysis of algorithms
- Database design and implementation (MySQL, PostgreSQL)
- Power BI and Power Automate

- Use and maintenance of Linux based systems.
- Production of reports and documents with LaTeX
- Microsoft Office

Objectives

To apply knowledge and skills in practice, as well as gain experience and improve my skill set.

Experience



Embraer - IT Internship - Support & Services 2021 - Dec. 2022

- Data analytics - Executive Aviation
- Support internal applications (Node / Angular / Python)
- Database Maintenance (postgreSQL)
- Power BI and Power Automate



Undergraduate Research (PIBITI) 2021 - 2022

- Trend analysis of COVID19 in the state of São Paulo
- Mathematical and computational modelling of epidemics



Sala Planejada tool 2020 - 2022

- Tool for planning classrooms considering social distancing between students
- Collaboration with researchers in the fields of applied mathematics and operations research



SABER-SUS Website Development 2020 - 2022

- Development of a website for clinical practice guideline recommendations for the treatment of chronic diseases: adaptation to context of the SUS and reliable information dissemination
- Agile Software Development / Virtual Private Server (VPS)



Undergraduate Research (FAPESP) 2019 - 2020

- Optimization Methods / Neural Networks/ Fraud Detection

Education



Federal University of São Paulo (UNIFESP)

2022 - Now

M.Sc. in Biomedical Engineering

2018 - Now

Computer Engineering

2018 - 2021

Interdisciplinary Bachelor in Science and Technology

Publications

COVID-19 Trend Analysis in Mexican States and Cities

43rd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC) 2021

Study of the COVID-19 pandemic trending behavior in Israeli cities

IFAC Papers Online - 11th IFAC Symposium on Biological and Medical Systems BMS 2021

A support tool for planning classrooms considering social distancing between students

Computational and Applied Mathematics (2022)

Short-term prediction of COVID-19 deaths in Argentina

IFMBE (International Federation for Medical and Biological Engineering) Proceedings - CLAIB 2022 (Accepted)