

# BRUNO MARIZ

Engineering Student

## PERSONAL PROFILE

- I'm an Electrical Engineering student with an interest in computer science and software development.

## PERSONAL SKILLS

- No trouble dealing with challenges and new learning opportunities
- Practice in organization and planning

## AWARDS

- Best undergraduate research article at ERAD-SP 2020

## CONTACT

Phone number: (11) 99195-1663  
e-mail: bmarizot@gmail.com  
Address: Rua Carlos Weber, 87 -  
Vila Leopoldina, São Paulo - SP

## PROFESSIONAL EXPERIENCE

### Undergraduate Researcher

Software Technologies for Modelling and Inversion with applications in seismic imaging (STMI), 2019 - 2020

- Development of a system for visualizing wave propagation in acoustic media - a method used to locate underground oil through the different acoustic characteristics of physical media
- Scalability analysis in parallel processing of different models for wave propagation simulation.

### Software Engineering Intern

Semantix - Quios, dez 2021 - present

- Barter Platform: Creation of API endpoints, validation schemas and backend functionalities for the platform; Database migration and integration with the app; Container orchestration with Docker; Automated testing using Postman and pytest; Minor frontend adjustments.
- Online dashboard containing financial information such as currency values, financial indicators, commodity prices, daily news, and more information that could be helpful for investors when making decisions.
- React and FastAPI app that presents relevant CNAE (Classificação Nacional de Atividades Econômicas) information

## EDUCATION

### Escola Politécnica da Universidade de São Paulo

Habilitação: Electrical Engineering, 2019 - 2023 (forecast)

- Participation in the courses "Introduction to Digital Games" and "Digital Games Laboratory Using Unity Platform" at Samsung Ocean.

### Colégio Bandeirantes

High School, 2016 - 2018

School's basketball team, 2016 - 2017

- São Paulo School Sports League (LE2) champions, 2016 e 2017

## PUBLISHED PAPERS

### "Comparação do Custo Computacional entre Diferentes Tamanhos de Camadas de Absorção", 2020

- Presented at the 11th Regional School of High Performance's (ERAD-SP) Undergraduate Research Forum (ERAD-SP)

### "Zígues, zagues, zeros e uns", 2018

Teixeira, B. M. O.; Krakauer, C. B. - Zígues, Zagues, Zeros e Uns.- in Revista do Professor de Matemática, São Paulo, n.º 97, pp. 40-42. 3.º quadrimestre de 2018.

## PROFESSIONAL SKILLS

- Programming: Python, JavaScript, TypeScript, PostgreSQL
- Frameworks and libraries: Next.JS, React, FastAPI, Chalice (AWS)
- Version control: Git

### Languages

- Portuguese - native
- English - advanced
- Spanish - beginner
- German - beginner