



# LUIZ FERNANDO PEZZI

- Mechanical Engineer
- MSc. in Mechanical Engineering (Energy)
- Front-End Developer
- Full Stack Student

## / CONTACT DETAILS

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## / WORK EXPERIENCE

### >> Mechanical Engineer - Product Design Engineer Randon S/A Implementos e Participações May 2018 to present

Develop products such as tanks and silo bulk-tank semi-trailers, from technical conception through release for construction and testing, evaluating product performance and ensuring quality and reliability; evaluate technically suppliers and materials; interact with customers, suppliers and interface areas.

### >> Planning Analyst - Market Intelligence FSG, Centro Universitário da Serra Gaúcha October 2017 - December 2017

Map, segment and study the market and competition; define and analyze the personas and the customer profile to identify risks, business opportunities and define projections and sales strategies.

### >> Product Engineering Intern Randon S/A Implementos e Participações March 2015 - March 2017

Support Product Engineers in altering drawings, assemblies and layouts; support the release of projects in the system; support Product Engineers in detailing components and assembly drawings; support the team in the development of other routine activities.

### >> Undergraduate Researcher Federal University of Rio Grande do Sul, UFRGS July 2012 - June 2013

Responsible for the construction, pre/post-processing and validation of the numerical method used for CFD numerical modeling of the conversion of ocean wave energy into electrical energy.

## / EDUCATION HISTORY

### >> Pontifícia Universidade Católica do Rio Grande do Sul, PUCRS - Porto Alegre, Brazil

Postgraduate Degree, Full Stack Development | 2022, Currently Enrolled

### >> DevPleno, Brazil

Full Stack Development | 2021, Currently Enrolled

### >> Federal University of Rio Grande do Sul, UFRGS - Porto Alegre, Brazil

MSc. in Mechanical Engineering | Currently Enrolled

Subject: Energy, Renewable Energy, Wind Energy and CFD

GPA 9.428





### >> Federal University of Santa Catarina, UFSC - Florianópolis, Brazil

MSc. in Mechanical Engineering | On Hold  
Subject: Thermal Sciences and Engineering  
GPA 9.00

### >> Federal University of Rio Grande do Sul, UFRGS - Porto Alegre, Brazil

Bachelor Degree in Mechanical Engineering | Class of 2017  
GPA 8.528

### >> University of New South Wales, UNSW - Sydney, Australia

Study Abroad Student | 2013 - 2014  
School of Mechanical Engineering  
School of Photovoltaics and Renewable Energy Engineering

## / COURSES AND CERTIFICATIONS

- > Angular, Alura Treinamentos, 52h (2022)
- > React JS, Alura Treinamentos, 46h (2022)
- > Python, Alura Treinamentos, 44h (2022)
- > HTML e CSS, Alura Treinamentos, 65h (2021);
- > Java Script, Alura Treinamentos, 96h (2021);
- > Java Script, React, GraphQL e HTTP, Linkedin Learning, 13h (2021);
- > Bootstrap: Criando uma página responsiva, Alura Treinamentos 8h (2021);
- > GIT, Alura Treinamentos, 6h (2021);
- > A Hands-on Introduction to Engineering Simulations, Cornell University (2020);
- > Environmental Legislation Applied to the Implementation of Wind Farms, SENAI RN 20h (2020);
- > AIAG e VDA FMEA, Setec Consulting Group 24h (2020);
- > Wind Energy, Universidade Técnica da Dinamarca - DTU 40h (2019).

## / COMPETENCIES AND SKILLS

- Professional English
- CFD: Ansys, Star CCM+, OpenFoam
- CAD: Solid Works, PTC CREO, Siemens NX, AutoCAD
- Microsoft Office
- HTML, CSS, JavaScript
- Python
- ReactJS, GIT
- Adobe Illustrator, Adobe Photoshop
- Google Firestore, SQLite, MySQL
- AngularJS, NestJS, NextJS, Typescript, Jest, MongoDB, RestAPIs, NodeJS

## / PORTFOLIO

Available at <https://github.com/luizfernandopezzi> and/or <https://vercel.com/luizfernandopezzi>

- > PatientsList
- > redeAlumni
- > XTechSolarClientsList
- > Instasks
- > ConvertMyMoney
- > PetShopAppointments
- > GitHubRepositoriesSearch
- > ScitechFinance
- > AvantiStore

