



## EDUCATION

### Web Programming Diploma Program, Jun 2021

Nova Scotia Community College, Halifax, Nova Scotia, Canada

### Master's Degree: Electrical Engineering (Computer science), Mar 2004

Federal University of Maranhão, São Luis, Maranhão, Brazil

**Research Project:** Application of Knowledge Discovery in Databases Process to propose an integrated fuel quality monitoring system

### Undergraduate Degree: Data Processing Major, Dec 2001

CEUMA University, São Luis, Maranhão, Brazil

## EXPERIENCE

### Aptitude Digital - <https://aptitude.digital/> (Apr 2021 to May 2022)

**Web Developer:** Worked with the Development Team building and maintaining Drupal sites using both front-end and backend skillsets. Experience with source control (git), pull requests, code reviews, and (CI/CD) Continuous Integration and Continuous Deployment pipelines.

### Artech Camps - <https://www.artechcamps.com/> (Apr to Aug 2020)

**Web Developer and Instructor:** Developed a web app to help with daily tasks like attendance lists, certificates, and reports. Some of the technologies used: Node.js, WooCommerce REST API, and MySQL. Also worked as an instructor in virtual camps and workshops.

### Nova Scotia Community College - <https://www.nsc.ca/> (Nov 2019 to Apr 2021)

**IT Campus Tutor:** Helped students improve their skills in different courses (Logic and Programming, Web Application, Full Stack Programming, Object-Oriented Programming, Systems Analysis and Design, and User Interface Design).

### UNIEURO University, Brazil - <https://www.unieuro.edu.br> (Feb 2007 to Jul 2019)

**Professor:** Taught software development related courses in Information Technology undergraduate programs (e.g., Programming, Database Development, and System Analysis courses).

**Academic Chair: Bachelor of Information Systems** (2009 - 2019) and **Computer Networks Undergraduate Course** (2009 - 2013): Structured, implemented, and updated program courses, objectives, and learning outcomes while coordinating all academic and administrative processes related to the program. Ensured faculty members, students, and administrative staff followed institutional regulations. Supervised all learning and research activities. Organized regular events (e.g., meetups, career fairs, and conferences) to promote networking and bring students closer to the IT industry.

**Director: Distance Learning Centre** (2012 - 2019): Responsible for all academic and administrative actions related to distance learning and online courses. In charge of maintaining and updating the (LMS) Learning Management System. Delivered the needed support to professors, tutors, and students on using the LMS. Provided training, support, and supervision to professors during the development process of digital learning resources.

**Director: Information Technology Centre** (2008 - 2009 and 2012 - 2014): Lead the university's Information Technology Resource Management program, working with different sectors to improve all IT-related processes.

**Member of Ethics and Research Committee** (2010 - 2013)

### UNICEUMA University, Brazil - <http://www.ceuma.br> (Apr 2004 to Jan 2007)

**Professor:** Taught software development related courses in Information Technology undergraduate programs (e.g., Programming, Database Development, and System Analysis courses).

## VOLUNTEER WORK

### NSCC's IT Job Fair Organizing Committee (2019 - 2021)

### Teaching Basic Computer Skills to Elderly citizens from the local community (2009 - 2018)

## HIGHLIGHTS

- 15 years of experience teaching in the IT field
- Experience in Educational Technologies
- Experience in Distance Learning
- Designed and managed higher education programs
- Fluent in Portuguese and English

## TECHNICAL SKILLS

- HTML - CSS - JavaScript
- RESTful APIs
- React.js
- Node.js
- Drupal
- .NET Core
- Laravel - PHP
- Java
- MySQL - MongoDB



## ACADEMIC PAPERS

- (2015) Application of artificial neural networks to predict viscosity, iodine value and induction period of biodiesel focused on the study of oxidative stability
- (2014) Recent Developments on Statistical and Neural Network Tools Focusing on Biodiesel Quality
- (2014) Evaluation of Convergence Methods in Training Artificial Neural Networks Applied to Prediction of Biodiesel Iodine Index, Viscosity and Density
- (2013) Voltametric study on oxidative stability of biodiesel with the support of Artificial Neural Networks
- (2009) Fuel Quality Monitoring and Control System
- (2009) Multi-Agent Decision Support System for Fuel Quality Control