

SOFTWARE DEVELOPER

WEB DEVELOPMENT | PROBLEM SOLVER | COLLABORATIVE

SUMMARY OF QUALIFICATIONS

- A student of Software Engineering Technology - Artificial Intelligence with a professional background in automation engineering and business sectors; Holds a Bachelor of Engineering - Control & Automation
- 10+ years of professional experience in engineering sectors, including with NASA (USA)
- Knowledgeable of: Python, JavaScript, SQL, HTML/CSS, Linux, C, C#, Java, Angular, Node.js, SQL, GCL+, Bacnet, MODBUS, Assembly MIPS, and VHDL
- A logical thinker with strong technical aptitude for problem solving; ex-member of Mensa - Brazil
- Skills with business tools, including MS Office.
- Strong communication skills; multilingual in Portuguese and English

EDUCATION

Advanced Diploma in Software Engineering Technology – Artificial Intelligence Jan 2022 - Present
Centennial College, Toronto, ON GPA: 4.46/4.5

- *Relevant Courses:*

Web Interface Design
Programming 2

Client-Side Web Development
Java Programming

Unix/Linux Operating Systems
Software Systems Design

Master of Business Administration - Investment and Private Banking (MBA) May 2021 - Jun 2022
IBMEC, São Paulo, Brazil

Bachelor of Engineering - Control and Automation Jan 2008 - Dec 2013
Universidade de Brasília, Brasília, Brazil

- Completed one year of study-abroad in Washington, DC at Catholic University of America (CUA)

- *Relevant courses:*

Operating Systems

Computer Organization and Architecture

Data Structures

RELATED WORK EXPERIENCE

Landing Gear Programming - Student Researcher Feb 2022 - Present
Centennial College - Safran, Toronto, ON

- Reviewed and add comments to roughly 700 lines of code, in VHDL, for a Landing Gear Control Unit reaching about 1200 lines of code in the end

Control and Automation Engineer Aug 2014 - Jun 2017
UMA automação e infra-estrutura de redes, Brasília, Brazil

- Created databases, using MySQL or SQL Server Community, to hold visitors and employee information on buildings such as a three-tower Bank Headquarters, a four-tower commercial building, and a shopping mall
- Programmed Delta Control's Building Automation Controllers and Access Control Controllers for the same buildings, using GCL+, Modbus, and BACnet objects and network
- Connected the previously created databases, using ODBC, to the buildings access control systems
- Designed and developed the graphical user interface for these Building Automation and Access Control Systems, using Delta Control's Illustrator software

Intern May 2012 - Dec 2012
National Aeronautics and Space Administration (NASA), Greenbelt, MD/USA

- Wrote, in Python, part of the onboard computer software responsible for data acquisition for the Balloon-Borne Cryogenic Telescope Testbed (BOBCAT) project

Matheus Teixeira

72 Chandler Drive, Toronto, ON M4C 1Z1

mferre39@my.centennialcollege.ca | 647-512-5014

www.linkedin.com/in/mathteixeira

PROJECT WORK

Software Development Academic Projects

Jan 2022 - Present

Centennial College, Toronto, ON

- Developed multiple webpages using HTML, CSS and JavaScript to create responsive and adaptative interfaces, all of them can be seen in my personal website: <http://studentweb.cencol.ca/mferre39/>
- Created various applications in C and C#. Some codes available at: <https://github.com/domvito55>
- Designed a SRS document collaboratively for a web application, applying Agile methodology

Self-Reconfiguring Modular Robots

Aug 2010 - Jul 2011

Universidade de Brasília, Brasília, DF/Brazil

- Wrote, in C language, pieces of programs for simulating transitions between configurations in reconfigurable modular robotics
- Presented this work in the National Science and Technology Week 2010 and in the 8th Scientific Initiation Congress of the Federal District

OTHER WORK EXPERIENCE

Service Associate

May 2022 - Present

Upper Event Services Inc., Toronto, ON

- Provide frontline customer service and hospitality (food & beverage), as assigned, to a variety of events in the in Great Toronto Area and Region, working within fast-paced and high-volume environments

Partner/Clinical Engineer

April 2017 - Present

MFSA Engenharia, Brasília, Brazil

- Served as Clinical Engineer to the major client, Grupo Santa (a large hospital chain), with responsibilities for manage roughly 2200 medical equipment and 3 technician's team over 4 hospitals and 2 clinics
- Demonstrated strength in business acumen and leadership as a company Partner

CERTIFICATIONS AND TRAINING

Workshops on Home Automation with Arduino – Module 1

May 2013

Instituto de Ensino Superior Planalto, Brasília, Brazil

Arduino Hack Day Course

Oct 2011 - Oct 2011

The Institute of Electrical and Electronics Engineers (IEEE), Brasília, DF/Brazil

MEMBERSHIPS

Mensa

Nov 2021 - Aug 2022

Associação Mensa Brasil, São Paulo, SP, Brazil

IEEE Student membership

May 2013 - Dec 2017

The Institute of Electrical and Electronics Engineers (IEEE), Brasília, DF/Brazil