Ivan Madeira de Oliveira

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EXPERIENCE

1997 | 2006 • COLÉGIO SÃO VICENTE DE PAULO

2007 • PRÉ-VESTIBULAR DE A_Z

February 2012 | December 2012 • MATH TEACHER at ONG *CONSTRUINDO O SABER*
[Math support for teenagers between 13 and 15 years old from regional public schools as part of a preparatory program to help them get into federal schools]

June 2012 | December 2012 • TRAINEE at *TECHNIP BRASIL OIL & GAS*
[Activities: Long Term Debt structuring, control of the insurance contracts, long term debt Simulation, Long Term Cash Flow Planning and Monthly reports of the Finance department]

June 2015 | March 2016 • TRAINEE at *FMC Technologies*
[Activities of the Finance department]

2008 | 2018 • PUC-RJ | PONTIFÍCIA UNIVERSIDADE CÁTOLICA DO RIO DE JANEIRO
[Bachelor's Degree of Production Engineering with emphasis in Finance at Pontifical Catholic University of Rio de Janeiro]

2019 | 2021 • Business Intelligence Master: Support Systems for Business Decisions with Artificial Intelligence at Pontifical Catholic University of Rio de Janeiro – PUC RJ
[Data Mining, Power BI, Artificial Intelligence, Data Science tools, Data Warehousing, Business Intelligence, Competitive intelligence, On-Line Analytical Processing (OLAP), Enterprise Resource Planning (ERP), Data Visualization tools, Machine Learning, Deep Learning]

May 2020 | January 2021 • MBA on Data Engineering at IGTI: Instituto de Gestão e Tecnologia da Informação
[Hadoop Framework, NoSQL & SQL applications, Design Thinking, Design of Scalable Data Architectures, Performance and Optimization of DBMS, Containers as Docker]

October 2020 | May 2021 • Qubit by Qubit: Introduction to Quantum Computing
[With IBM Quantum – The Coding School]

Dec 2021 | Aug 2022 • Post Graduate Program in Data Engineering at Purdue University in collaboration with IBM
[Hadoop Framework, Data Processing using Spark, Data Pipelines with Kafka, Big Data in AWS and Azure Cloud infrastructures]

STUDENT EXCHANGE

July|2007 • English course at Auckland, New Zealand [1 month]

July|2008 • English course at San Diego, California, EUA [1 month]

July|2009 • English course at Oxford, England [1 month]

January|2010 • English course at Gold Coast, Australia[1month]

July|2010 • English course at Vancouver, Canada [1 month]

LANGUAGES

- PORTUGUESE: native
- ENGLISH: fluent
- SPANISH: intermediary

- ITALIAN: basic
- FRENCH: basic

AREAS OF INTEREST

- Environmental Protection
- World Food Waste & Hunger
- Social Economies
- Social Democracies
- Franciscanism: Humility, Simplicity & Justice

- Social Activism
- International Relations
- Geopolitics
- Clean Energy Sources
- Circular Economy
- Fintech
- Programming Languages
- Artificial Intelligence & Computer Science

- Quantum Computing
- Smart Cities [IoT]
- Data Science
- Data Engineering
- Big Data
- Business Intelligence
- Cloud Computing
- Crypto Market

EXTRACURRICULAR ACTIVITIES

- Finance Math course with applications to investment analysis,
  at CCE PUC-RJ | August 2011 – October 2011;

- Valuation - Projects and Enterprises analysis - IBMEC – January 2015;

- FGV - Analysis and Interpretation of Financial Statements – February 2015;

- Spanish course at Cervantes Institute Rio de Janeiro,
  Basic User A1 + A2, July & August 2014 [5 weeks];

- Spanish course at Cervantes Institute Rio de Janeiro,
  Independent User B1 + B2, January 2015 [1 month];

- ONG *RUAS*
  [Donation of Food to poor people living in the streets of Rio de Janeiro; 2017]

- ONG *Comida no Prato Coração na Mão* linked to the Our Lady of Peace Church
  [Donation of Food to poor people living in the streets of Rio de Janeiro; 2019-2020]

- Project Manager Extension Course [PUC-RJ - 2020];

- Humanitarian Logistics [PUC-RJ - 2020];

- MS Office [Word, Excel, PowerPoint, To Do, OneNote, OneDrive, Outlook]; MS Project [Basic];
  Teamgantt+Trello; Prezi presentations;

PROGRAMMING SKILLS

- Visual Studio Code;
- Jupyter Notebook;
- Eclipse;
- RapidMiner;
- MS Power BI;
- Machine Learning;
- Power Architect;
- AWS;
- Azure;

- Pentaho;
- MySQL;
- PostgreSQL;
- MS SQL Server;
- MongoDB;
- Hadoop Ecosystem
  (Yarn, Hive, HBase,
  Spark, Ambari ...);
- Docker;

- Python;
- C++;
- SQL;
- NoSQL;
- T-SQL;
- Java;
- R;
- HTML;
- Linux(Bash);