

JOÃO PEDRO T. BRANDÃO | joao.brandao@utexas.edu

Location: Austin, Texas

EDUCATION

University of Texas at Austin PhD in Operations Research and Industrial Engineering	Aug 2026 -
University of Texas at Austin Masters in Engineering Management GPA 3.9 (out of 4)	Jan 2025 - May 2026
George Mason University, Virginia, USA Doctor of Philosophy in Computer Science - Cryptography, (Not Completed) GPA 4.0 (out of 4)	2019 - 2020
Pontifícia Universidade Católica do Rio de Janeiro, Brazil Masters in Computer Science GPA 9.2 (out of 10)	2016 - 2018
Pontifícia Universidade Católica do Rio de Janeiro, Brazil Bachelor Degree in Applied Mathematics	2010 - 2016

PROFESSIONAL EXPERIENCE

Lina Open X - Developing the backbone for financial institutions. <ul style="list-style-type: none">• Technical Lead (Full time)• Directed major technical decisions for the Open-X teams (includes Brazil's OpenBanking and OpenInsurance).• Coordinated cross-functional teams to deliver features to clients on time.• Designed and implemented automated data pipelines for compliance.	Dec/2023 - Dec/2024
Lina Open X - Developing the backbone for financial institutions. <ul style="list-style-type: none">• Sr. Back End Developer (Full time)• Adapted the OpenBanking SaaS to Brazil's OpenInsurance SaaS	Dec/2022 - Dec/2023
Lina Open X - Developing the backbone for financial institutions. <ul style="list-style-type: none">• Back End Developer (Full time)• First member of the Open-X Team.• Built the company's Brazil's OpenBanking SaaS.	Apr/2021 - Dec/2022
Veriffy - Crowdsourcing data collection in supermarkets. <ul style="list-style-type: none">• Back End Developer (Part time)	Jun/2020 - May/2021
GoBlock - Consulting and Development firm for Blockchain applications. <ul style="list-style-type: none">• Co Founder• Developer• Consultant	Aug/2017 – Jul/2019
Apple Developer Academy <ul style="list-style-type: none">• Program aimed to develop iOS developers, part of PUC-Rio's Software Engineering Laboratory (LES) sponsored by Apple.	Nov/2014 – Dec/2015
Tecgraf PUC-Rio Computer Graphics Technology <ul style="list-style-type: none">• Part of the Engineering Automation team.• Interned developing system projects for Petrobras	Jan/2011 – Mar/2012

ACADEMIC ACTIVITIES

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| Graduate Research Assistant, GMU | Jan/2020 – Aug/2020 |
| <ul style="list-style-type: none">• Assisted Prof. Foteini Baldimtsi in research• Research focused on de-anonymizing cryptocurrencies. | |
| Graduate Teaching Assistant, GMU | Aug/2019 – Dec/2019 |
| <ul style="list-style-type: none">• Taught a lab in Introduction to Programming with Python | |
| Research Assistant PIBIC, PUC Rio - CNPq | Jan/2013 – Jul/2014 |
| <ul style="list-style-type: none">• Assisted Prof. Alex Castro in research• Implemented optimal control algorithms in MatLab | |

Academic Publications

Measuring Illicit Activity in DeFi: The Case of Ethereum

Jiasun Li, Foteini Baldimtsi, Joao P. Brandao, Maurice Kugler, Rafeh Hulays, Eric Showers, Zain Ali & Joseph Chang

Financial Cryptography and Data Security. FC 2021 International Workshops

A model for blockchain-based Renewable Energy Certificate token offers

Marques, N. L; Gomes, Leonardo Lima; Brandão, L. E. T; Brandão, J. P. T.

23th Annual International Conference on Real Options, 2019, London. Proceedings, 2019

DIPLOMAS, CERTIFICATES, and GRANTS

Clean Code and Clean Architecture

Scholarship for the M.Sc. degree in Computer Science at PUC-Rio - CAPES CNPq 2016

Minor in Computer Science by PUC-Rio

Minor in Statistic Methods by PUC-Rio

Honorable Mention in ACM International Collegiate Programming Contest in the years 2011, 2012, and 2014

ADDITIONAL INFORMATION

- Languages:
 - English. : Fluent
 - Portuguese : Fluent
 - Spanish. : Advanced
 - Experiences with Programming Languages:
 - Typescript
 - C/C++
 - Javascript
 - MatLab
 - Python
 - R
 - SQL
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