

Matheus Barbosa

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Experience

Carnegie Mellon University | Research Intern
Pittsburgh - U.S.A

January 2020 - November 2020

- Led the Design and implementation of new API architecture based on scalability for a new framework based in unity 3D to create tutorials for additive manufacturing 3d printing machines for the school of engineering of CMU
- Created a new tutorial build framework, reducing the time to create new tutorials, from weeks to hours
- Generalized different components so the software can be reusable in different machines in different VR headsets to be used in studies and practice for 60~ students a semesters

Empiricus Research | Business Intelligence Intern
São Paulo - Brazil

September 2019 - December 2019

- Developed queries and studies compelling visualization elements to generate useful insights for the BI team and different team of the company in to help in the decision making process
- Automatized creation of datasets using SQL to send plus then 300k new notification to users according to their profiles what has increased engagement by ~5%
- Created A/B studies to measure the efficiency of first customer contact after purchase

USPCodeLab | Developer and Tutor (Voluntary)
São Paulo - Brazil

April 2019 - December 2019

- Coordinated a project that helps new students to their abilities to code and professional development
- Elaborated methodology to spread knowledge more effectively creating classes, coding sessions
- Organized two the team hiring events and hacktons for big brazilian banks and tech companies
- Participated in the organization of the biggest university hackathons of Brazil dealing with sponsorships like Facebook

B4A group | Software Development Intern
São Paulo - Brazil

December 2018 - April 2019

- Integrated a new supplier carriers using their APIs, in order to track more 10k orders a day more efficiently
- Optimized SQL queries in order for faster process on database searches and scheduled updates.
- Managed hardware maintenance and distribution, buying computers and fixing users' notebooks.

Education

University of Sao Paulo | São Paulo, SP
B.A, Information Systems class of 2021

Skills / Tools

Java, Python, C#. SQL, JavaScript, Unity3, Windows, Macintosh, Unix, HTML, CSS, Node.js, Git
Languages : English (Fluent), Portuguese (Native), Spanish (advanced knowledge)

Additional Information

Facebook Estacao Hack - Finalist (best project selected)
São Paulo - Brazil

October 2018

- Created a MVP platform for hiring process based for São Paulo startups, using ExpressJS that is JavaScript
- Designed mockup application alongside with two more teammates
- Created and lead the presentation to 130+ individual including investors software engineers and CTO