

João Rafael Barbosa de Araujo

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EDUCATION

BUDAPEST UNIVERSITY OF TECHNOLOGY AND ECONOMICS

MSC. IN ELECTRICAL ENGINEERING
Dec 2020 - Current | Budapest, Hungary

UNIVERSIDADE FEDERAL DO CEARÁ

MSC. IN ELECTRICAL AND COMPUTER ENGINEERING
Jan 2019 - Current | Sobral, Brazil
GPA: 8.20 / 10.0

UNIVERSITY OF BRITISH COLUMBIA EXCHANGE. APPLIED SCIENCE ELECTRICAL & COMPUTER ENGINEERING

Aug 2014 - Dez 2015 | Vancouver, Canada

UNIVERSIDADE FEDERAL DO CEARÁ

BSC. IN COMPUTER ENGINEERING
Jan 2012 - Dez 2018 | Sobral, Brazil
GPA: 8.10 / 10.0

SKILLS

TECHNICAL SKILLS

Proficient with:

Python • MATLAB • Node.JS • React • React Native • MongoDB • Git • HTML • CSS • Linux • Agile Development

Familiar with:

C# • C • Java • SQL • Embedded Systems

SOFT SKILLS

Strong:

Leadership • Initiative • Grit • Resourcefulness
Bilingual Communication (English and Portuguese)

HONORS & AWARDS

SUSTENTABILITY HACKDAY

1ST PLACE

Sep 2019 | Sobral, Brazil

HACKDAY ENEL

1ST PLACE

May 2018 | Sobral, Brazil

FINAL PROJECT CPEN 442 (UBC)

HONORABLE MENTION

Sep 2015 | Vancouver, Canada

AWARDED WITH SCIENCE WITHOUT BORDERS SCHOLARSHIP

Aug 2014 | Vancouver, Canada

PROJECTS

LARBOS / DR AURELIO | PLAYSTORE, APPSTORE

2016 | Sobral, Brazil

- Medical application that allows access to medical exams.
- Integration with company exams' software.
- Includes push notifications for new exam updates.
- Android and iOS versions being done with Java and Swift.

RESOURCE ALLOCATION FOR OFDMA NETWORKS |

BACHELOR GRADUATION FINAL PROJECT

2018 | Sobral, Brazil

- MATLAB architecture to evaluate the impact on restrictions of maximum rates (or intervals) on resource allocation problems for OFDMA networks.

SPEAKER RECOGNITION | GITHUB

2019 | Sobral, Brazil

- Neural network framework to recognize who's speaking in a live audio based on previous training.
- Uses mel frequency cepstral coefficients to extract audio characteristics.
- Implemented using Python and Sklearn.

OSOB BOT | GITHUB

2017 | Sobral, Brazil

- Built a personal telegram bot with house automation features.
- Extra features such as reminders, house movement detection alarm, in chat google searches and weather information.
- Implemented using Python.

WORK EXPERIENCE

E.LIFE

DEVELOPER INTERN

Fev 2017 – Dec 2018 | Sobral, Brazil

- Skill developer for Amazon's Alexa
- Creation and maintenance of the back-end REST API and web service www.botengine.com.br.
- Facebook Bot developer.

WARE DIGITAL

STARTUP OWNER

Jan 2016 – Dec 2017 | Sobral, Brazil

- Startup created to fill the necessity of app development in small cities in Ceará.
- Two medical exams applications created and deployed integrating the mobile app with the clinics legacy systems.

DRAGAO SEM CHAMA

EDITOR CHIEF

Jan 2014 - Present | Sobral, Brazil

- Editor for the website <https://www.dragaosemchama.com/>
- Manager of internal projects and infrastructure.