JESSE CARVALHO DE MELO

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EDUCATION

Auburn University | Auburn, AL
Bachelor of Software Engineering | May 2022
GPA: 3.15/4.0

RELEVANT COURSEWORK

COMP 2210 – Fundamentals of Computing II (Fall 2019)
- Learnt Software Development in the context of collections
- Learnt the fundamental Data Structures and associated Algorithms
- Programmed using Java Programing Language

COMP 2710 – Software Construction (Spring 2020)
- Critically analyzed real-world types of problems, designed algorithms, and then implemented those algorithms in high-level code to solve problems
- Programmed using C++ Programing Language
- Tested and Debugged programs
- Managed Software complexity
- Developed Software on Linux

COMP 3500 – Introduction to Operating Systems (Spring 2021)
- Learning the structure and functions of operating systems; processes and process scheduling; synchronization and mutual exclusion
- Learning about memory management; auxiliary storage management; resource allocation and deadlock; design tradeoffs; security, privacy, and ethical concerns

COMP 3700 – Software Modelling and Design (Spring 2021)
- Learning the current processes, methods and tools related to modeling and designing software systems
- Learning to develop richer descriptions of design models using UML diagrams

WORK EXPERIENCE

Camp Counselor | Tomorrow's Community Innovators | June 2019 – June 2020
- Lead different engineering activities such as MIT AppInventor, Robotics and other activities related to Grand Challenges
- Taught students how those activities relate with the work engineers do every day and the important role engineering plays in our society, while serving as a role model for the students

INVOLVEMENT

Institute of Electrical and Electronics Engineers | February 2019 – Present
Membership Chair
- Participate in professional development meetings presented by guest speakers, technical seminars and other professional development activities

Engineers Without Borders USA | Auburn Student Chapter | March 2019 – Present
Membership Chair
- Collaborate with fellow Engineering students on working with communities in developing countries to promote sustainable engineering solutions to practical problems
- Attend weekly meetings with Rwanda project team

SKILLS

Operating Systems: Mac OS**,** Windows and Linux
Programing Languages: Python, Java and C++
- **Object-oriented programing**
- **Data Structures and Algorithms**

Database Design: SQL, MySQL
Microsoft Office: Word, Excel, PowerPoint
Languages: English and Portuguese – Fluent in oral and written communication
        Intermediate level in French