Emiton Alves

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EDUCATION

University of Rhode Island, *M.S. Computer Science*, 3.54/4.0 GPA — Kingston, RI | **May 2020**

Relevant Courses**:** Algorithms for Big Data, Object Oriented Programming, Data Structures, Machine Learning, Design and Analysis of Algorithms, Computer Architecture, Software Engineering Methodology

CareerDevs, *9 Month Programming Bootcamp* — Providence, RI | **December 2018**

University of Rhode Island, *International Engineering Program* — Kingston, RI | **December 2016**

Bachelor of Science in Mechanical Engineering
Bachelor of Arts in German

Technische Universität Braunschweig, *German Studies* — Brunswick, Germany | **August 2016**

EXPERIENCE

URI/Massachusetts Disabled Persons Protection Commission, *Mobile Developer* — Kingston, RI | August 2019 – Present

- Developed accessibility focused mobile applications designed to aid disabled populations in reporting abuse
- Conducted usability testing for mobile applications through workshops and questionnaires
- Rapidly designed wireframes and prototypes for research committee

Twitter, *Software Engineering Intern* — Cambridge, MA | June 2019 – August 2019

- Created real-time ETL pipeline which consumed and processed client events
- Transformed billions of events daily and created simplified data structures for use by internal teams
- Deployed application on distributed cloud architecture using scalable practices
- Served data to dashboards and logging services for visualization and alerting purposes

FM Global, *Software Engineering Co-op* — Johnston, RI | January 2019 – May 2019

- Created configuration tokenization script which automated environment configuration and reduced deployment time by 30%
- Modernized error monitoring system from email alerts to an internally accessible web interface for engineers
- Designed testing suite for document migration application

Continental Tires AG, *Design Engineering Co-op* — Hannover, Germany | March 2016 – August 2016

- Developed and managed new polymer mixing process which led to higher elasticity of production polymers
- Drafted 3D CAD models for experimental manufacturing equipment undergoing testing in development
- Designed manufacturing layout in order to increase production throughput of polymer sheets by 100%

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, C, Scala, React, JavaScript, Node.Js, HTML, CSS, Flutter

Technologies/Methodologies: Git, GitHub, AWS, REST APIs, HTTP, Linux, SQL, Postgres, Kafka, Mesos, Aurora, JIRA, Agile, Scrum

PROJECTS

Stock Portfolio Monitoring Tool - *(C#, Selenium WebDriver, SQL)*

- A watchdog application which follows a user's stock portfolio and sends updates to user
- Periodic states of the user's portfolio are automatically recorded and saved to a database
- Ability to send updates via email or SMS

Virtual Machine - *(C, Bash)*

- A 32-bit virtual machine which was written from scratch and can run binary files
- Used bit manipulation to extract necessary data from incoming files

JPEG Image Compressor - *(C, Bash)*

- Applied a luminance-chrominance transform to reduce images to 30% of original size

Personal Website - *(HTML, CSS, JavaScript)*

- Portfolio website built with HTML, CSS, and vanilla JavaScript

TEACHING

Lead Tutor - Computer Science Diversity Program, *University of Rhode Island*

Head Teaching Assistant, *Object Oriented Programming (CSC 211)*

CS50 Instructor, *University of Rhode Island*