

# Emiton Alves

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## EDUCATION

- University of Rhode Island, M.S. Computer Science, 3.6/4.0 GPA** Kingston, RI | **August 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

- Amazon, Fullstack Software Engineer** Westborough, MA | March 2020 – Present
- Developed monitoring framework designed to aid in CI/CD of tier-1 services
  - Designed and re-architected legacy services into cloud native applications
  - Assisted in development of high throughput applications processing millions of requests using a microservice architecture
  - Managed high severity incidents as a part of the on-call rotation which included investigation and remediation
- URI/Massachusetts Disabled Persons Protection Commission, Mobile Developer** Kingston, RI | August 2019 – March 2020
- 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#, Scala, Flutter, Python, React, JavaScript, HTML, CSS  
**Technologies/Methodologies:** Git, GitHub, Amazon Web Services (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)**