

Emiton Alves

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EDUCATION

University of Rhode Island, Kingston, RI May 2020
Master of Science in Computer Science GPA: 3.45/4.0

CareerDevs Coding Bootcamp, Providence, RI December 2018
9 Month Programming Bootcamp

University of Rhode Island, Kingston, RI December 2016
International Engineering Program
Bachelor of Science in Mechanical Engineering
Bachelor of Art in German

RELEVANT COURSEWORK

Object Oriented Programming • Data Structures • Machine Learning • Design and Analysis of Algorithms
Computer Organization • Software Engineering Methodology

TECHNICAL SKILLS

Programming Languages: Java, C#, Python, HTML, CSS, JavaScript, MySQL, R
Technologies/Methodologies: Git, GitHub, Linux, Raspberry Pi, Agile, Scrum

PROFESSIONAL EXPERIENCE

Software Engineering Co-op January 2019 – Present
FM Global – Johnston, RI

- Created configuration tokenization script which automated environment configuration and reduced deployment time by 30%
- Expanded error monitoring system to include a 24/7 accessible web application as opposed to email reports
- Designed testing suite for document migration tool

Lead Tutor – URI Computer Science Diversity Program January 2019 – Present
University of Rhode Island – Kingston, RI

- Aided in the recruitment of underrepresented students in computer science
- Provided 1-on-1 tutoring for 200, 300, and 400 level computer science courses

Head Teaching Assistant – Object Oriented Programming September 2018 – December 2018
University of Rhode Island – Kingston, RI

- Led laboratory sessions focused on object-oriented programming concepts
- Assessed student work and performed code reviews to aid in student development

Design Engineering Co-op March 2016 – September 2016
Continental Tires AG – Hanover, Germany

- Established 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 and minimize land use

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 within 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

VOLUNTEERING

Web Developer December 2018
Art To Reduce Mental Health Stigma – A Brown University Center for Entrepreneurship Funded Startup

- Created website with ability to sell tickets, display events, and engage users with MailChimp API