Funakoshi Silva

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Linkedin: linkedin.com/in/silvafunakoshi

WORK EXPERIENCE

Avfuel Corporation, Ann Arbor, MI — *Software Engineer*
October 2020 - Present

- Lead front-end engineer for data intensive tax engine web application.
- Worked in developing react components using hooks
- Developed solutions for application layout and routing
- Used axios and fetch API to manage HTTP requests
- Developed strategies to work with GeoJson data
- Created automation scripts in Python to manage cross application interaction, converting EDI to XML invoices
- Worked with legacy systems using VBScript and SQL in order to manage daily enterprise back-end needs for billing, invoice processing and legacy systems migration.
- Refactored VBScript legacy system for compliance with OOP principles

Plant3r, Remote — *Software Engineer Inter*
August 2020 - October 2020

- Development of cross-platform IOS, Android application in flutter
- Worked on Node.js rest API for flutter virtual assistant feature
- Object-oriented development and test-driven development

Facility for Rare Isotope Beams, East Lansing — *Engineering Assistant*
May 2018 - August 2019

- Created YAML script for Alarm configuration files
- Worked with programmable logic controllers (PLC's)
- Created engineering wiring schematics in AutoCad Electrical

EDUCATION

Michigan State University, East Lansing, MI — *B.S., Computer Engineering*
September 2017 - May 2020

Relevant Coursework: Software Design, Algorithms & Data Structures, Computer Systems, Operating Systems, Communication Networks, Control Systems, Intro To Signal Processing, C++, Python

TECHNICAL SKILLS

Languages:

C# , JavaScript, Python, VBScript, SQL

Libraries & Frameworks:

React, Node.js, .Net Core, LINQ

TECHNICAL PROJECTS

Automated Winch | Github
2020 | East Lansing, MI

- Designed graphical user interface, and programmed logic of winch
- Wrote unit test to prevent system short circuit

Instagram Liker | Github
2020 | East Lansing, MI

- Chrome application that automate instagram likes,
- The application likes photos on the behalf of user account and pick the hashtags to follow

Aquarium | Github
2020 | East Lansing, MI

- Built C++ application that allows to create an aquarium, visualize and interact with fishes
- Used Microsoft Foundation Classes (MFC)
- Created test cases to prove development concept

SOFT SKILLS

Languages:
- Portuguese - Native
- American English - Fluent
- Spanish -Proficient