

# Funakoshi Silva

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## Technical Skills

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**Programming Languages:** C#, Python 3, JavaScript (ES6), SQL, VBScript

**Frameworks:** Entity Framework, .Net Core, ASP.Net Core, Node.js, React, Xunit

**Technologies:** Visual studio, SQL Server Management Studio, Postgres

## Work Experience

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### Avfuel Corporation

**Ann Arbor, MI**

Application Developer C# and VBScript

October 2020 - Present

- Worked in maintaining system legacy code and improved overall system SQL query performance
- Applied object oriented programming to refractory system legacy code
- Improved efficiency of application I/O responses
- Created UML diagrams and flowcharts to illustrate new changes to the system and to illustrate operations executed by old undocumented code

### Plant3r

**Washington, DC**

Software Engineer Intern

June 2020 - October 2020

- Development of cross-platform IOS, Android application in flutter
- Node.js rest API programming for flutter app
- Object-oriented development and test-driven development

## Technical Projects

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### Automated Winch For Underwater Sensing in Python

- Programmed logic of winch to adjust the release of cabled sensor underwater based on desired depth, designed graphical user interface with tkinter library

### Aquarium Desktop app in C++

- Built C++ application that allows creating an aquarium, visualizing and interacting with fishes. Used Microsoft Foundation Classes (MFC), created test cases to prove development concept

## Education

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### 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, VLSI Design, Digital Logic, Control Systems, Intro To Signal Processing