Funakoshi Silva

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WEBSITE: funakoshisilva.com
GITHUB: github.com/funakoshiapi
LINKEDIN: linkedin.com/in/silvafunakoshi

TECHNICAL SKILLS

Proficient with:

Languages: Python, C/C++, JavaScript (ES6), Dart, SQL, HTML5, CSS/Sass

Frameworks and Platforms: React, Flutter, Django, Linux, Windows, macOS

Other: Digital Logic, Circuit Analysis, AutoCAD Electrical

WORK EXPERIENCE

PLANT3R

SOFTWARE ENGINEER INTERN
June 2020 - Present | Remote
- Working in developing cross platform application for IOS and Android systems
- Integration of virtual assistant
- Dart Code review

THE CENTER FOR ANTI-COUNTERFEITING AND PRODUCT PROTECTION

FRONT END ENGINEER
Fall 2019 – Nov 2019 | East Lansing, MI
- Designed user-friendly website using HTML, CSS, and JavaScript
- Developed dynamic and interactive website

FACILITY FOR RARE ISOTOPE BEAMS (FRIB)

ENGINEERING ASSISTANT
Fall 2018 – Feb 2019 | East Lansing, MI
- Wrote YAML script for alarm configuration
- PLC programming, schematics in AutoCAD

EDUCATION

MICHIGAN STATE UNIVERSITY
BACHELOR OF SCIENCE
Major: Computer Engineering
Graduated May 2020 | East Lansing, MI

Relevant courses: Software Design | Algorithms & Data Struc | Computer Systems | Digital Logic and Microprocessor | VLSI Design
Honors: Dean's List 2016

TECHNICAL PROJECTS

AUTOMATED WINCH FOR UNDERWATER SENSING IN PYTHON
Spring 2020 | East Lansing, MI

- Designed graphical user interface with tkinter library
- Programmed logic of winch to adjust the release of cabled sensor underwater based on desired depth
- Wrote unit test to prevent system from short circuiting

IMAGE PROCESSING IN C++
Fall 2020 | East Lansing, MI

- Implemented stenography and cryptography to embed a hidden secret message on the image.
- Used 2D vectors and struts/classes to work with PGM files
- Created blur, emboss and sharpening image features by adding multiple operations on the original PGM matrix

INSTAGRAM LIKER IN JAVASCRIPT
Aug 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 DESKTOP APP IN C++
Spring 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