Funakoshi Silva

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EDUCATION

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

Relevant courses: Software Design | Algorithms & Data Struc | Computer Systems | Digital Logic and Microprocessor | VLSI Design

Honors: Dean's List 2016

TECHNICAL SKILLS
Proficient with:
Python 3, C/C++, JavaScript (ES6), SQL, HTML5, CSS/Sass, Digital Logic ⋅ Circuit Analysis ⋅ AutoCAD Electrical

LIBRARIES & FRAMEWORKS
React, Node.js, Django

TOOLS & PLATFORMS
WordPress, Heroku, Git

WORK EXPERIENCE

THE CENTER FOR ANTI-COUNTERFEITING AND PRODUCT PROTECTION

WEB DEVELOPER
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
- PLC programming, wrote YAML script
- Edited engineering schematics in AutoCAD

TECHNICAL PROJECTS

COVID-19 STATUS | GITHUB
August | Austin, TX
- Uses API's to render information about covid-19 cases in different countries.
- Itagrates graphical plots of the rendered data

AUTOMATED WINCH | GITHUB
Spring 2020 | East Lansing, MI
- Designed graphical user interface, and programmed logic of winch
- Wrote unit test to prevent system short circuit

INSTAGRAM LIKER | GITHUB
Spring 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
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

UNIVERSITY CLUB

MSU STARX (Strength Augmenting Robotic Exoskeletons)
Fall 2018 - 2019 | East Lansing, MI
- Exoskeleton Research

August 14th, 2020
Human Resources

Dear Recruiting Manager,

I am a recent graduate computer engineering student from Michigan State University. I have strong interest in software development and web technologies. I am looking for an entry level software engineering position.

I have worked on software design projects in C++, and I am fascinated with algorithms, API's and web technologies. On my free time I enjoy building JavaScript apps and merge them on google chrome.

On my final design project, I worked on developing an automated winch system for underwater exploration. I designed the graphical user interface, using Tkinter toolkit and used Python to write the logic of the winch to adjust the release of cabled sensor underwater based on desired depth. I enjoyed and learn more about developing safe systems by writing unit tests to prevent system short circuit, that could be caused by relays connected to the winch by a micro-controller and portable power source.

I am proficient with C\C++ programming, Python and circuit analysis. I have worked directly with PLC's and other electrical systems for a year at the Facility for Rare Isotope Beams at Michigan State.

I have great familiarity with using Linux terminal commands, computer network, protocols, and troubleshooting Linux/ Unix and Windows systems.

Please do not hesitate to contact me through phone or email for any reason.

Thank you for your time and consideration,

Funakoshi Silva
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