|  |  |
| --- | --- |
| Funakoshi Silva  silvade1@msu.edu | [funakoshisilva.com](https://funakoshisilva.com/)  [github.com/funakoshiapi](https://github.com/funakoshiapi)  [linkedin.com/in/silvafunakoshi](https://www.linkedin.com/in/silvafunakoshi/) |
| 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 ۰ Circuit Analysis ۰AutoCAD Electrical  **LIBRARIES & FRAMEWORKS**  React, Node.js, Django  **TOOLS & PLATFORMS**  WordPress, Heroku, Git  **WORK EXPERIENCE**  **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**   * 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 |

**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**

Computer Engineer

Email: [silvade1@msu.edu](mailto:silvade1@msu.edu)

Website: funakoshisilva.com