

Eli Campos

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EDUCATION

- **University of Florida** Gainesville, Florida
B.S. in Computer Science - GPA: 3.64/4.00 *Expected December 2025*
- **Minor:** Electrical Engineering
- **Undergraduate Coursework:** Programming I & II, Discrete Structures, Data Structures, and Algorithms
- **Memberships:** UF's Programming Team, Innogators Design Team and Open Source Club

PROJECTS

- **VitaFinder(HTML, CSS and JavaScript):** Constructed a web application that uses an OCR scanner that scrapes websites that have two different nutrition facts and compares the two ingredients in terms of quality and amount.
- **Minesweeper(C++):** Using the C++ library SFML, I developed the popular game Minesweeper using various data structures and coding techniques.
- **Public Sustainability Announcement (HTML, CSS and JavaScript):** Created a chrome extension that scrapes the Environmental, Social, and Governance(ESG) score of a company on the stock market and displays a color next to the brand name on Amazon demonstrating how healthy the company is to the environment based on this score.

SKILLS

- **Languages:** Python, C++ , C, HTML, CSS, JavaScript, Swift, Selenium
- **Version Controls:** Git
- **IDEs:** Visual Studio, Visual Studio Code, Pycharm, Clion

EXPERIENCE AND ACHIEVEMENTS

- **Machine Intelligence Lab(C, HTML, CSS, Javascript, Git, Linux)** Gainesville , Florida
University of Florida *May 2023 - Present*
 - Manage an extensive codebase using professional Git practices, ensuring efficient version control, and perform regular simulations to validate machine learning models and robotic systems.
- **Chownow(React,Django and CockroachDB)** Tampa, Florida
Hackabull Hackathon at the University of South Florida *March 2023 - March 2023*
 - Winner of best idea category at Hackabull 2023.
 - Created an application that provides users with information about food places nearby with certain preferences of food type, distance, and budget resulting in a much more time-efficient method to find places.
- **Formy(C/C++)** Miami, Florida
E&N Iron Trade *February 2021 - Present*
 - Developed a fitness device that tracks how well your form is during a power-lifting movement and counts the number of repetitions per set automatically while only modifying the barbell.
 - Produced this device using Arduino for the prototype and then created a Bill of Materials and schematics for the multi-layer PCB creation.
 - Utilized several trigonometrical and physics-based theorems to help interpret sensor data.
- **Research Assistant for SurfLab(C++, Python and Git)** Gainesville, Florida
University of Florida *September 2022 - Present*
 - Built an application that allows surgeons to conduct the patient's surgery in a simulated environment to mitigate the chances of human error occurring during the real operation
 - Focused on transitioning our changes to the new version of the open-source physics engine it was built on top of and organizing the repository from changes of the new research assistants that I trained.
- **Electrical Engineering Team Co-Leader of Innogators(C/C++)** Gainesville, Florida
University of Florida *January 2022 - Present*
 - Pitched ideas in front of the business operations team and to other engineers
 - Created awareness of manufacturing and budget constraints.
 - Creating a virtual reality glove that interacts with the 3D environment using a Raspberry Pi and Mechanics