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