



Education

B.S. in Computer Engineering Concentrated in Machine Intelligence

Florida Polytechnic University

Graduation: May 2025 | GPA: 3.5



Projects & Work Experience

Software Developer: IOS App Development

Mar. 2023 → Current

- Actively developing an IOS app for athletes and personal trainers in the fitness industry.
- Features an expandable exercise library used to create custom programs with growth-focused analytics.

Skills Applied:

- Foundational skills in Swift and SwiftUI for developing UI/UX
- Designing back end app architecture

Computer Engineer: Verilog Military Stopwatch

Nov. 2022 → Dec. 2022

- Designed a fully functional military style stopwatch using Verilog hardware description language.
- The software was written at the transistor level using Quartus Prime and deployed to an FPGA.

Skills Applied:

- Foundational skills in Verilog programming and FPGA usage for prototyping
- How to design a complex computer system at the transistor level

Hardware Engineer: Open Source Keyboard Design Project

Nov. 2020 → Feb. 2021

- Designed a fully functional computer keyboard driven by an ATMEGA32-U4 mounted on a custom PCB.
- PCBs were outsourced to JLCPCB, components were soldered by hand, and the software was written in C++.

Skills Applied:

- PCB design, fabrication, and optimization
- C++ programming and optimization

Environmental Conservation: Youth Ambassador - Parley for the Oceans

Aug. 2019 → May 2021

- Worked within an international team of youth activists on several environmental initiatives.
- Projects included beach cleanups, documentary series, and R&D for sustainable fishing equipment alternatives.

Skills Applied:

- Small team/project management within a large international organization
- Experience developing and presenting pitch decks to project managers

Entrepreneur: Manta Fin Co.

Sep. 2018 → May 2019

- Identified opportunities in the surf industry for sustainable equipment alternatives.
- Worked on founding an LLC that manufactures high performance surfboard fins from up-cycled ocean plastics.

Skills Applied:

- Fins designed in Fusion 360, CFD in SolidWorks, rapid prototyping with 3D printing & CNC milling
- Basic business management practices



Industry Skills

- C & C++ Programming
- Proficiency in HTML & CSS for Web Development
- Proficiency in Swift & SwiftUI for IOS App Development
- PCB Design & Fabrication
- Proficiency in Verilog Programming for FPGA's
- CAD (Fusion 360, Eagle CAD, SolidWorks, MatLab)



Leadership Positions

- Provosts List for Academic Standing
- MCLA Div. II Lacrosse Captain 2021-2022
- Youth Ambassador to Parley for the Oceans
- Student Government Director of Internal Affairs



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