

Education

B.S. in Computer Engineering concentrated in Machine Intelligence
Florida Polytechnic University
Graduation: May 2025 | GPA: 3.58

Work Experience

Front End Software Developer: Duke Energy

May 2024 → Aug 2024

- Interned with the Lighthouse department of Duke Energy building progressive web applications in Angular JS
- Collaborated with the front-end team building features into an extensive code base

Skills Applied

- Angular JS, HTML, SCSS, TypeScript, Git, & Jira Task Management
- Product development, project road-mapping, & source control

Student Body Vice President: Florida Polytechnic University

May 2024 → Current

- Elected to represent and advocate on behalf of the student body to university administration and industry partners
- Oversaw strategic initiatives, managed organization budgets, met with state officials on behalf of the university

Skills Applied

- Leadership, communication, integrity
- Project management, public speaking, organizational skills

Projects

Software Engineer: Cloud-Based File Sharing Server

Nov 2024 → Current

- Design, implement, and evaluate a distributed file sharing system in the cloud employing a server-client architecture
- Centralized server is capable of supporting multiple concurrent clients while fulfilling upload and download file requests

Skills Applied

- Python for socket-based networking applications, TCP/UDP protocols, back-end application design
- Google Cloud Computing for application deployment and testing

Hardware Engineer: Open Source Keyboard Design Project

Nov 2020 → Feb 2021

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

Skills Applied

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

Industry Skills

- C & C++ Programming
- Angular JS, TypeScript, S/CSS, & HTML
- Swift & SwiftUI
- Python: Socket, Matplotlib, Pandas, & Numpy
- PCB Design & Fabrication
- Proficiency in Verilog Programming for FPGA's
- CAD (Fusion 360, Eagle CAD, SolidWorks, MatLab)
- SciKit Learn & Google Colab for ML Applications

Leadership Experience

- FPU Board of Directors Student Representative 2024 - Current
- FPU Dir. Internal Affairs 2022 -2024
- Provosts List for Academic Standing
- MCLA Div. II Lacrosse Captain 2021-2022

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