Ethan Stephanis

(813)-368-8791 | stephanisethan@gmail.com | https://www.linkedin.com/in/estephanis

PROFESSIONAL SUMMARY

Experienced leader pursuing a degree in Education with a background in providing advising and instruction to diverse groups of students in multiple age groups.

EDUCATION

Bachelor of Science in Computer Engineering   May 2026
University of Florida, Gainesville, FL
Minor: Physics
GPA: 3.8 / 4.00
Honors: Dean's list 2023, National Merit Scholar

PROFESSIONAL EXPERIENCE

Software Engineering Intern   June 2022 – May 2023
MITRE, Hybrid
- Collaborated with a team of 6 to build a toolkit used to help quantum software engineers devise quantum circuit diagrams from academic papers on quantum algorithms
- Developed core backend features required for the tool to be compatible with more complex algorithms
- Identified and resolved critical errors in the algorithm parser of the toolkit so a demo version to be released to the public
- Developed pattern recognition for new algorithms, increasing the pool of algorithms the toolkit can be used on
- Overhauled backend method for generating quantum circuit diagrams based on user inputs

AIAA - BWSI Build a CubeSat Challenge Team Captain   January 2022 – May 2022
MIT, Virtual
- Led a team of 4 members to design and test a prototype CubeSat using a Raspberry Pi
- Delegated roles to team based on each member's experience and aspirations

BWSI Quantum Software Development Scholar   June 2022 – August 2022
MIT, Virtual
- Learned fundamentals of quantum mechanics and quantum computing languages such as Qiskit and Q#
- Implemented a variational quantum linear solver in Qiskit based on quantum algorithm research papers

Photonic Quantum Random Number Generator
Built a quantum circuit, utilizing a 50/50 beam splitter and laser diodes to generate a random binary number
(Not working… yet)

RELEVANT COURSEWORK

Hardware

EEL3111 – Circuits I
EEL3135 – Signals and Systems
EEL3744 – Microprocessor Applications I
EEL3396 – Solid State Electronic DevicesEL4458 –
Fundamentals of Photonic

Software

CDA3101 – Intro to Computer Organization
COP3530 – Data Structures and Algorithms

Miscellaneous

PHY4604 – Quantum Mechanics I
PHZ4390 – Elementary Particles Physics

SKILLS

Technical Skills: C#, C++, Python, MATLAB, Git, Raspberry Pi, Arduino
Foreign Language: Spanish (Fluent)
Interests: Rock Climbing, Sculpting, and 3D printing