

Peter Yungman

Weston, FL | (954) 260-0836 | peter.yungman@ufl.edu | [linkedin.com/in/peter-yungman](https://www.linkedin.com/in/peter-yungman)

EDUCATION

University of Florida

Bachelor of Science in Computer Science, Minor in Communications

May 2028

4.00 GPA

TECHNICAL SKILLS

Languages: C++, Python, Java, Dart, Javascript, HTML, CSS

Frameworks/Technologies: Flutter, Firebase, React Native, Expo

EXPERIENCE

Teaching Assistant

University of Florida

August 2025 - Present

Gainesville, FL

- Selected to assist in teaching *Discrete Structures and Algorithms*, covering propositional/predicate logic, induction, recurrence relations, graph algorithms, and complexity analysis.
- Lead weekly discussion sessions to reinforce problem-solving skills in combinatorics, probability, and graph theory.

Product & QA Intern

Athlogic, Inc

May 2024 - July 2024

New York City, NY

- Troubleshooted and documented **15+** high-priority bugs through Apple TestFlight, decreasing crash frequency by **25%** during beta.
- Contacted **10+** schools nationwide to join the athlete performance tracking program, expanding the outreach pipeline.

RESEARCH

Undergraduate Research Assistant

University of Florida

August 2024 - Present

Gainesville, FL

- Segmented and annotated **5,000+** transcribed speech samples from individuals with Hoarding Disorder to isolate linguistic markers such as incomplete clauses.
- Developed Python scripts using scikit-learn, NLTK, and Sentence Transformers to detect topic shifts via cosine similarity and TF-IDF keyword analysis.

INVOLVEMENT

UI/UX Director

Society of Hispanic Professional Engineers (SHPE)

August 2024 - Present

Gainesville, FL

- Refreshed select pages of the SHPEUF website and mobile app front-end, improving usability for **800+** members.
- Assembled a career resource guide with alumni and upperclassmen insights, preparing **100+** members for internships and technical interviews.

PROJECTS

Ultimate Frisbee Coach

August 2025 - Present

- Developed a React Native/Expo app that records **4-second** throws and analyzes hip-shoulder separation, reachback distance, elbow peak timing, and wrist speed with $\pm 5\%$ precision.
- Implemented OpenCV, MediaPipe, and NumPy in a Python Flask backend to deliver personalized coaching tips in less than **2 seconds** and enable progress tracking over time.

Range of Motion (ROM)

January 2025 – Present

- Coded a Flask backend with OpenCV and MediaPipe for real-time motion tracking, designed for UF Shands Hospital (**100k+** patients; **6k+** surgeries annually).
- Implemented progression logic requiring completion and scoring of each test before unlocking the next, ensuring **complete and accurate** reports for physicians.

The EchoGuard

December 2024

- Engineered and programmed an Arduino-based distance detection device using C++ to support the mobility and safety of elderly individuals with impaired vision.
- Innovated and tested a hat-mounted real-time obstacle detection system with auditory and visual feedback, utilizing ultrasonic sensors, piezo buzzers, and LEDs for enhanced usability and responsiveness.