

ASHLEY PRADO

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EDUCATION

Bachelor's Degree in Computer Science | Master's in Data Science & Artificial Intelligence (Dual Degree) **May 2026**

Florida International University; Miami, Florida

- Honors College/ Bright Futures Scholarship/ Florida Academic Scholar/ Dean's List (Fall 2023, Fall 2024, Spring/Fall 2025)
- **Coursework:** Data Structures & Algorithms, Computer Architecture, Artificial Intelligence, Machine Learning
- **Technical Skills:** Python, Java, C/C++, JavaScript, F#, C#, PHP, HTML/CSS, Linux, React, TensorFlow, Arduino, Git

EXPERIENCE

Microsoft | Atlanta, Georgia **May 2025 - August 2025**

Full-Stack Software Engineer Intern

- Built a production-ready Geneva Action in **C#** to automate Azure container group lifecycle management, enabling zero-touch remediation, auto-healing, and reducing false positives by **40%** during high-severity incidents.
- Developed a **Kusto** dashboard to track container lifecycle states, improving visibility of **100k+** Azure containers.

Siemens | Atlanta, Georgia **May 2024 - August 2024**

Software Engineer Intern/ Smart Infrastructure Team

- Constructed scalable APIs in **Visual Basic** for topography optimization, reducing simulation runtime by **30%**.
- Engineered an **Arduino** system with **microcontrollers** to simulate **50** breaker states for automated electrical testing.

Basic Solutions Group | Miami, Florida **September 2023 - Present**

Web Developer Specialist

- Enhanced accessibility and performance across **200+** Miami-Dade websites using **HTML, JavaScript, Python, and PHP**, boosting engagement by **47%** through responsive design and optimized load times.

Code/Art | Miami, Florida **September 2023 – May 2025**

Instructor

- Instructed K-12 students in computer science concepts, including artificial neural networks and computer vision.
- Conducted coding workshops and competitions, with **100%** of students progressing to advanced programming levels.

PROJECTS

INIT FIU Build Project — Tech Lead — Embedded Systems Hardware and Machine Learning

- Led a 15-member team to develop a Sign Language Recognizer Glove to support the ASL community.
- Applied **C/C++** for sensor data processing and Python for ML, achieving **90%** gesture recognition accuracy.

United Nations - Millennium Fellowship Project — Digital Divide Initiative

- Recognized as a Millennium Fellow (top **4%** globally) for advancing UN Sustainable Development Goals.
- Developed and led workshops empowering 50+ underserved students in Kenya to bridge the digital divide.

Immigrant Student Center | Miami, Florida

- Founded and directed a non-profit supporting **100+** immigrant families, increasing college application success by **25%** through website development and workshops.

Panther Opportunity Hub | Founder & Developer

- Designed and developed a centralized platform to help immigrant and international students discover scholarships, internships, and research opportunities, reducing access barriers for underserved FIU students.

AI Researcher | Native American Language Technologies

- Co-authored an accepted AmericasNLP 2025 paper on building a **400-pair** Comanche English dataset through manual curation and GPT-4o-generated synthetic data while conducting **30+ LLM** experiments on language identification.

STUDENT ENGAGEMENT

Senator & Chair, International Student Committee | Student Government Association **January 2025 – Present**

- Represented over **8,000** engineering students by advocating for increased funding for student resources, improving tutoring programs, and expanding access to research and professional development opportunities.

Society of Women Engineers | Vice President **May 2023 - Present**

- Spearheaded outreach and launched chapter website, boosting engagement across 200+ members and advancing initiatives for women in engineering.

AWARDS AND PUBLICATIONS

- **Silver Knight Award** – *The Miami Herald* – Selected from over **2,000** nominees for academic excellence & community impact.
- **2025 WECODE Scholar** – *Harvard* – Invited to the world's largest women in tech conference through global merit selection.
- **Inclusion Champion Award** – Code/Art – Tech Tides 2025 Ceremony – Recognized for advancing diversity, inclusion, and creativity in technology and education.