

# DIEGO MARQUES

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## EDUCATION

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### Cornell University, College of Engineering

Ithaca, NY

Major: Computer Science

Expected Graduation May 2026

**Relevant Coursework:** Data Structures, Discrete Structures, Object Oriented Programming, Introduction to Computing, Multivariable Calculus, Linear Algebra

### Princeton University, AI4ALL Summer Program

Remote

Concentration: Natural Language Process (NLP), Machine Learning

Jul 2020

A summer program taught by Princeton University Staff covering the fundamentals of AI and Machine Learning, with significant long term projects using NLP and convolutional neural networks to detect fake news with reduced bias

## WORK EXPERIENCE

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### Lavner Education - IT Intern (University of Miami, FL)

Jun 2023 - Present

- Developed and instructed programming workshops in Python and Java for 75+ students, emphasizing core concepts
- Provided technical support to more than 100 students, troubleshooting software and hardware issues, and offering personalized guidance on debugging and optimization
- Developed multiple interactive coding projects, fostering hands-on learning for student understanding and application

### Learn 01 Education Lab - Intern, Instructor (Miami, FL)

Jun 2018 - Jun 2022

- Led sessions for 50+ students, on programming, algorithms, and cybersecurity, fostering secure software practices
- Organized hackathons, engaging 100+ participants to foster collaboration within the local tech community
- Contributed to the development of customizable and enjoyable student based curriculum that is still in use

## EXTRACURRICULARS

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### Cornell WebDev - Co-President / Lead Developer (Ithaca, NY)

Jan 2023 - Present

- Developed a comprehensive and tailored curriculum for incoming members, providing essential web development skills, including proficiency in React, JavaScript, TypeScript, and CSS
- Lead a team of 10+ developers in creating and maintaining “GigEship”, a Cornell startup connecting student entrepreneurs with software developers to bring college-based founders together
- Collaborated with other student organizations and departments to organize joint events, workshops, and hackathons, promoting engagement and networking within the web development community

### Cornell FinTech - Software Engineer (Ithaca, NY)

Jan 2023 - Present

- Designed and implemented a risk analytics platform using Django, significantly enhancing the accuracy of financial risk management processes for the Cornell FinTech Club and Cornell Business School
- Participated in code reviews with the Engineering Subteam to ensure scalability and security of the platform
- Conducted weekly testing and quality assurance, identifying and resolving bugs and other issues

### Association of Computer Science Undergraduates - E-Board Member (Ithaca, NY)

Aug 2022 - Present

- Promote professional, social, and educational interaction among students interested in computer science
- Facilitated students' communication with CS faculty, alumni, and corporate representatives
- Cornell University's chapter of the Association for Computing Machinery

### MBSH Robotics - Head Programmer, Instructor (Miami, FL)

Aug 2018 - Jun 2022

- Founded the MBSH Robotics Club in 2018 and helped grow the club from 4 to over 50 recurring members
- Led the programming and electrical subteams, placing 4th in the South Florida 2022 FIRST Robotics Competition
- Led Python/Java classes, teaching AI smart camera tracking and advanced drivetrain programming

## SKILLS & VALUES

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**Technical Skills:** Python, Java, JavaScript, HTML/CSS/TS, React, Git, Flask, MySQL, MongoDB, Pocketbase

**Core Values:** Curious, DIY, Maker, Problem Solver, People Person, Motivated, Dreamer, Unstoppable Work Ethic