

# 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:** Discrete Math, Functional Programming, Object Oriented Programming and Data Structures, Introduction to Python

### 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 to detect fake news and convolutional neural networks with reduced bias.

## WORK EXPERIENCE

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### Lavner Education · IT Intern

Jun 2023 - Aug 2023

- Instructed over 75 students in programming fundamentals, teaching Coding with Python and Coding with Java
- Assisted more than 100 students by troubleshooting software/hardware issues and providing personalized support
- Developed 3 engaging and interactive lesson plans, incorporating hands-on projects and exercises to enhance students' understanding and application of coding principles

### Learn 01 Education Lab · Intern, Instructor

Jun 2018 - Jun 2022

- Taught groups of 50+ entry level students topics involving computer programming, algorithms, and cybersecurity
- Organized events for over 100 participants, such as hackathons and competitive programming tournaments
- 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

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

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

Aug 2022 - Present

- Promoted 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

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

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**Programming Languages:** Python, Java, JavaScript, TypeScript, HTML/CSS

**Tools/Frameworks:** Git, React.js, React Native, Flask, MySQL, MongoDB, Pocketbas