

DIEGO MARQUES

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EDUCATION

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

Lavner Education - IT Intern (Miami, FL)

Jun 2023 - Aug 2023

- Developed documentation and lesson plans for 75+ prospective engineers focusing on core system design
- Coordinated and facilitated hands-on workshops for web development frameworks, guiding participants through building a dynamic portfolio website using HTML, CSS, and JavaScript
- Designed and coded several interactive full-stack example projects such as a personal budget tracker and task manager to reinforce essential programming concepts for practical application

Learn 01 Education Lab - Technical Intern (Miami, FL)

Jun 2018 - Jun 2022

- Led educational programming classes for 50+ clients, focusing on data structures, algorithms, and cybersecurity, fostering secure software practices
- Organized multiple 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

Cornell WebDev - Co-President (Ithaca, NY)

Jan 2023 - Present

- Developed a tailored curriculum for new team members, providing essential web development skills, including proficiency in React, JavaScript, TypeScript, and CSS
- Founded 'GigEship,' a Cornell startup that connects student entrepreneurs with software developers, fostering collaboration among college-based founders and led a team of 10+ developers
- 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

- Led a team of 5 developers in designing and deploying a web-based sentiment analysis platform applying NLP to evaluate stock sentiment via public opinions and social media data
- Contributed to the development of a risk analytics platform using Django by implementing data visualization tools and integrating real-time market data feeds
- Further researched stock prediction with a focus on integrating machine learning algorithms and historical market trends to enhance the accuracy of predictive models

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

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

SKILLS & VALUES

Languages: Python, Java, JavaScript, HTML/CSS/TS, SQL, OCaml, C++, C#

Machine Learning: PyTorch, scikit-learn, NumPy, Pandas, OpenCV

Web Development: React, Node.js, Express.js, Bootstrap, DaisyUI, Django, Flask

DB and DevOps: MongoDB, MySQL, Docker, AWS, Git

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