DIEGO MARQUES

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EDUCATION

Cornell University, College of Engineering **Ithaca, NY**
Major: Computer Science Expected Graduation May 2026
Relevant Coursework: Machine Learning, Artificial Intelligence, Algorithms, Data Structures, Discrete Structures, Object Oriented Programming, Introduction to Computing, Multivariable Calculus, Linear Algebra

Princeton University, AI4ALL Program **Remote**
Concentration: Natural Language Process (NLP), Machine Learning Jul 2020
A 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

Capital One - Software Engineering Intern (New York, NY) **Jun 2025 - Aug 2025**
- Developed an API using AWS Lambda, Glue, S3, and TypeScript to support new Generative AI verticals, enhancing personalized travel experiences for luxury Capital One users.
- Processed and analyzed daily updated inventory and confidential user data using Glue jobs orchestrated by Apache Airflow, compiling them for enhanced personalized experiences for all premium cardholders.
- Improved data pipeline efficiency by automating daily inventory and customer pattern analysis, enabling faster, data-driven decision-making across the team.

Humana - Software Engineering Intern (Miami, FL) **Jun 2024 - Aug 2024**
- Generated comprehensive reports on various generative AI tools, including GitHub Copilot, Codeium, and an internally developed tool, providing insights and recommendations for improving IT efficiencies.
- Achieved certification in Agile methodologies, demonstrating a strong understanding of key principles and practices.
- Organized an intern hackathon, coordinating logistics, team formation, and event programming.

Lavner Education - IT Intern (Miami, FL) **Jun 2023 - Aug 2023**
- 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 to reinforce essential programming concepts.

EXTRACURRICULARS

Cornell Hack4Impact - Technical Lead (Ithaca, NY) **Sep 2023 - Present**
- Leading a team of 6 developers to architect and develop the Cornell Endowment Manager Application, a platform for financial management of non-profits and academic institutions.
- Built full-stack solutions for OKB Hope Foundation and Lagos Food Bank, enabling virtual consultations and hunger relief using FERN, Next.js, Prisma, and PostgreSQL.

Cornell FinTech - Software Engineer (Ithaca, NY) **Jan 2023 - May 2025**
- 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.
- Developed a risk analytics platform in Django, implementing data visualizations and integrating real-time market data, while applying machine learning and historical trends to improve stock prediction accuracy.

Cornell WebDev - Co-President (Ithaca, NY) **Jan 2023 - May 2024**
- 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.

SKILLS & VALUES

Languages: Python, Java, JavaScript, TypeScript, HTML/CSS, SQL, OCaml, C++, C#
Machine Learning: PyTorch, scikit-learn, NumPy, Pandas, OpenCV
Web Development: React, Next.js, Angular, Node.js, Express.js, Bootstrap, DaisyUI, Django, Flask
DB and DevOps: AWS Lambda, S3, Glue, MongoDB, MySQL, Prisma, PostgreSQL, Docker, Git, Apache Airflow
Core Values: Curious, DIY, Maker, Problem Solver, People Person, Motivated, Dreamer, Unstoppable Work Ethic