DIEGO MARQUES

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EDUCATION

Cornell University, College of Engineering **Ithaca, NY**
Major: Computer Science Graduation May 2026
Relevant Coursework: Algorithms, Systems Programming, Computer System Organization, Database Systems, Machine Learning, Natural Language Processing, Deep Learning, OOP & Data Structures, Discrete Structures, Linear Algebra

Princeton University, AI4ALL Program **Remote**
Concentration: Natural Language Process (NLP), Machine Learning Jul 2020
Focused on Natural Language Processing and Machine Learning. Completed long-term projects on reducing bias in fake news detection using convolutional neural networks and NLP models.

WORK EXPERIENCE

Capital One - Software Engineering Intern (New York, NY) **Jun 2025 - Aug 2025**
- Built serverless APIs using AWS Lambda, Glue, S3, and TypeScript to support new Generative AI verticals, enhancing personalized travel experiences for luxury Capital One users.
- Developed and orchestrated data pipelines with Apache Airflow and AWS Glue to process daily inventory and customer datasets at scale, for enhanced personalized experiences for all premium cardholders.
- Automated customer pattern analysis workflows, improving pipeline reliability and enabling faster data-driven feature iteration 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 scalable web applications using Next.js, Prisma, PostgreSQL, and Node.js for nonprofit partners including OKB Hope Foundation and Lagos Food Bank.

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, TypeScript, JavaScript, Java, SQL, C++, C#, OCaml
FullStack: React, Next.js, Angular, HTML/CSS, Tailwind CSS, Node.js, Express.js, Django, Flask, REST APIs, CI/CD
AI/ML: PyTorch, scikit-learn, Pandas, NumPy, OpenCV
Databases: PostgreSQL, MySQL, MongoDB, Prisma
Cloud & Infrastructure: AWS Lambda, S3, Glue, Docker, Apache Airflow, Git, GitHub, Linux/Unix, Agile/Scrum