Alan D. Medina

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EDUCATION

Georgia Institute of Technology - College of Computing <div align="right">Atlanta, Georgia</div>
Bachelor of Science in Computer Science, GPA: 3.5 <div align="right">Expected Graduation, May 2027</div>
- **Concentrations:** Intelligence & Info Internetworks
- **Related Coursework:** Data Structures & Algorithms, Objects & Design, Computer Organization & Programming, Intro to AI
- **Awards/Honors:** The Gates Foundation Scholar, Hispanic Scholarship Fund Scholar, MLT CP 2027, SEO EDGE, Dean's List

TECHNICAL SKILLS

Languages/Frameworks: Java, Python, JavaScript, Flask, React, C++/C, HTML/CSS, Node.js, TypeScript, SQL, Go, Ruby
Databases: PostgreSQL, MySQL, Firebase, Supabase, Redis
Tools: Git, Visual Studios, PyCharm, IntelliJ, Eclipse, MySQL Workbench, Android Studio, Cursor AI, Docker, AWS, Vercel, Railway

EXPERIENCE

Peachtree Immediate Care | *IT SWE Intern* <div align="right">January 2025 - Present</div>
- Resolved 86+ technical support requests weekly across 5+ clinic locations via a centralized ticketing system, consistently resolving issues within 24 hours and reducing clinic downtime by 23%
- Developed and deployed internal scripts to automate configuration checks and system diagnostics during 15+ network upgrades, improving IT response time and ensuring compliance with HIPAA security standards

Georgia Institute of Technology Admission's Office | *Data Analytics Intern* <div align="right">December 2024 - Present</div>
- Contributed to outreach presentations in collaboration with an admissions officer to connect with over 500 students from underrepresented communities, advocating for DEI services and support programs at Georgia Tech
- Analyzed admissions data for 5,000+ applicants using Excel, identifying trends in yield and enrollment rates to inform recruitment strategies targeting underserved populations

KidsNextCode | *Programming Instructor Intern* <div align="right">Jun 2024 - Aug 2024</div>
- Developed a 6-week, 12-module coding curriculum with a focus on hands-on projects in Python, JavaScript, and HTML; improved student comprehension as reflected by a 30% increase in assessment scores
- Mentored 150+ middle and high school students in web and game development, delivering foundational programming education

PROJECTS

Outamation - AI & Automation Externship | Python | OpenCV | LlamaIndex | Retrieval-Augmented Generation (RAG) | NLP
- Built AI - powered workflows to automate document classification and data extraction, using Natural Language Process (NLP), Computer Vision, and Python-based pipelines (PyMuPDF, OCR techniques)
- Developed a retrieval system with LlamaIndex and Retrieval-Augmented Generation (RAG) to improve information search accuracy across mortgage documents, while evaluating open-source AI models for performance optimization
- Synthesized technical findings by compiling a comprehensive analysis of top AI models for document processing, highlighting key challenges, optimization strategies, and real-world deployment recommendations

Georgia Institute of Technology CS 2340 - GT Movie Store | HTML/CSS | React | Node | JavaScript | Python | Django
- Designed and developed a full-stack web application used by 60+ user simulating a movie rental store, allowing users to browse, rent, and return 150+ films while tracking inventory and user history through a responsive UI
- Collaborated in a 5-member Agile team, leading sprint planning and peer reviews that resulted in 98% of features delivered on time and improved code quality across the project lifecycle
- Collected and analyzed user feedback through in-app surveys and usability tests, leading to three major UI improvements that boosted feature discoverability by 15+ users

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Student Organization for Latinos in Computing at Georgia Tech | Co-F*ounder & Media Chair* <div align="right">Feb 2024 - Present</div>
- Utilized graphic design skills to effectively communicate the organization's mission and values to the student body and broader community that led to a 40% rise in 10+ workshops focusing on career development in SWE

Lambda Theta Phi Latin Fraternity Inc. Georgia Tech Associate Chapter | *Communications Officer* <div align="right">Aug 2024 - Present</div>
- Increased follower engagement on social media by 30% through targeted social media strategies and updates for 30+ members

SEO Career | *EDGE Participant* <div align="right">*Jan 2025 - Present*</div>
- Receive coaching and online instruction to achieve targeted interview, technical, and professional, development goals

Other Activities: The **D. E. Shaw Group** Nexus Fellow, **Susquehanna International Group (SIG)** Tech Discovery Day Fellow, **Google** Latinx Student Leadership Summit, **Capital One** First Gen Focus Fellow, **Accenture** Student Leadership Program, **Bloomberg** Hispanic Serving Institute Tech Summit, **Capital One** Black and Hispanic Tech Summit Fellow, **J.P. Morgan** Code For Good Fellow