Alan D. Medina

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EDUCATION

Georgia Institute of Technology - College of Computing   Atlanta, Georgia
Bachelor of Science in Computer Science   Expected Graduation, May 2027
- **Concentrations:** Intelligence & Devices
- **Related Coursework:** Data Structures & Algorithms, Discrete Math, Linear Algebra, Objects & Design, Computer Organization
- **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

KidsNextCode | *Programming Instructor Intern*   Jun 2024 - Aug 2024
- Contributed to developing a 6-week coding curriculum consisting of 12 modules, focusing on hands-on coding exercises, improving student comprehension as measured by a 30% increase in quiz scores from pre- to post-program assessments
- Mentored 150 middle and high school students in the bordering Atlanta area, laying a strong foundation in coding principles
- Provided hands-on instruction in web and game development, focusing on fundamental skills in Python, JavaScript, and HTML

Georgia Institute of Technology GTRI | *High School Intern*   May 2023 - Aug 2023
- Contributed to a team of 5 interns and researchers, analyzing over 200 data samples related to environmental impact to identify trends and optimize processes, resulting in a 15% improvement in accuracy for predictive computer models
- Designed and developed an interactive webpage to visually present research findings, incorporating over 13 user-friendly features like interactive charts, dynamic data filtering, and detailed explanations of key metrics, significantly enhancing accessibility

4 Corners Construction LLC | *Construction Specialist*   October 2019 – May 2023
- Utilized Excel to meticulously track project expenditures, resulting in a 15% reduction in unnecessary spending and ensuring adherence to budget constraints
- Performed routine maintenance and repairs on construction equipment and tools, resulting in a 20% decrease in equipment downtime and ensuring optimal functionality and safety on job sites

PROJECTS

Georgia Institute of Technology Hack - FindMyBnB | HTML/CSS | React | Node | Express | Python | RapidAPI
- Developed and implemented backend functionality utilizing Python and Streamlit to create FindMyBnB app, enabling 50+ users to search for 145,000+ Airbnb listings based on customized preferences
- Designed and integrated API calls with RapidAPI to retrieve Airbnb data, parsing JSON responses and displaying relevant information including name, city, type, price, amenities, cancel policies, and sample images in a user-friendly interface, resulting in a 20% increase in user engagement

Georgia Institute of Technology Fall Hack -The Mindful Mandate | HTML/CSS | JavaScript | Java | Swift | OpenAI API
- Engineered and programmed the Mindful Mandate app using industry-standard languages such as Java and Swift, incorporating robust functionalities to deliver a seamless user experience for 500+ users
- Integrated APIs to dynamically fetch and display 125+ up-to-date mental health resources, leveraging cloud computing services for efficient data storage and retrieval, resulting in a 40% increase in user satisfaction

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Student Organization for Latinos in Computing at Georgia Tech | Co-F*ounder & Media Chair*   Feb 2024 - Present
- 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 event attendance and participation
- Orchestrated 10+ workshops focusing on career development, achieving a skill enhancement among participants

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

Accepted into the following highly-selective programs: Aug 2023 - Present
- **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