SAAD BAHLOULI

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EDUCATION

Georgia Institute of Technology, Atlanta, GA | **B.S. Computer Science, B.S. Math**   *Anticipated graduation: May 2027*
Relevant Coursework: Intro to Object Oriented Programming, Linear Algebra, Discrete Math, Multivariable Calculus

Stuyvesant High School, New York, NY   *June 2022*

TECHNICAL SKILLS

Certifications: MongoDB Python Developer Path
Languages: Python, Java, Swift, HTML, CSS, JavaScript
Tools: XCode, Git/Github, Figma, Vercel
Software/Frameworks: MERN Stack (MongoDB, Express.js, React.js, Node.js), SwiftUI, Mapkit, Chart.js
Skills: Version Control, UI/UX Design, API Integration, Full-Stack Development, Microsoft Office, Adobe Photoshop

WORK EXPERIENCE

Reflect! Platform Vertically Integrated Project   **Atlanta, GA**
Full Stack Developer   *August 2024 - Present*
- Re-engineering the outdated and unusable Reflect! platform with **React, GraphQL, and JavaScript**, facilitating structured collaboration for teams addressing complex "wicked problems" through customizable work plans
- Upgrading the backend from an unusable state to the **latest Node.js version**, enhancing API performance and modular project management capabilities and **improving system efficiency by 5-15%** while modernizing the frontend

SmartyPants | GT iOS   **Atlanta, GA**
Full Stack Developer   *August 2024 - Present*
- Developing a personalized study group platform to address challenges with existing study tools by utilizing **SwiftUI** for the frontend, **Firebase** for real-time data storage and authentication, and **MapKit** for location-based group recommendations
- Tasked with designing core user flows including **user authentication**, study group management with custom struct fields, schedule entry, day-of-week enum, and basic UI elements for sign-in and registration views

Client Info Tracker | GTWebDev   **Atlanta, GA**
Full Stack Developer   *August 2024 - Present*
- Collaboratively developing a full-stack web app using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** to provide users with secure client management functionalities, including client search, creation, modification, deletion, and table export
- Building features such as access code security, email notifications, and draft auto-save, to ensure seamless client interaction and data management, with a focus on efficiency and user-friendly design

PERSONAL PROJECTS

MyFinancier   *February 2024*
- Developed a finance tracker web application using **React, Node.js, and MongoDB**, enabling secure user authentication, transaction management, and budgeting tools that has minimized monthly spending by an **average of 40%**
- Integrated data visualization features utilizing **Chart.js** to display spending patterns and income trends, while implementing a budget alert system that notifies users of overspending, boosting financial discipline and decision-making

AllTracked   *June 2024*
- Designed and developed a modular web app with user sign-in, calendar integration **(Google Calendar API)**, to-do list, custom trackers and incorporated graph-based progress display using **Chart.js** to visualize user performance
- Deployed on Vercel using **React, Node.js, and MongoDB** and **boosted productivity by 200%** in a small user sample through effective task and health tracking.

EXTRACURRICULARS

Society of Hispanic Professional Engineers   **Atlanta, GA**
PEPie Mentee   *September 2024 - Present*
- Participating in networking events and career initiatives that connect members with industry professionals as well as cultural programs that celebrate Hispanic cultural heritage and promote diversity in STEM
- Selected for the PEPie Mentorship Program, receiving 1-on-1 mentorship, skill-building workshops, and opportunities for professional growth through relevant industry connections

Arab Students Association   **Atlanta, GA**
Member   *January 2024 - Present*
- Participation in cultural events to promote and celebrate Arab heritage, and foster cultural understanding through community outreach initiatives. Collaborating with other student groups to build bridges, enhance global awareness

ADDITIONAL INFORMATION

Clubs: GT iOS, GT WebDev, GT Muslim Students Association, GT Society of Hispanic Professional Engineers
Languages: English (native), Arabic (fluent), Spanish (working proficiency)
Interests: Soccer, Traveling, Stargazing, World History