Daniel Sedarous

📞 248-342-4601 | ✉ daniel_sedarous@brown.edu | in LinkedIn | ⌨ Github | 🌐 Portfolio

EDUCATION

Brown University — Providence, RI
B.S. in Computer Science and Applied Mathematics, 3.9 GPA — *August 2022 – May 2026*
- Brown Entrepreneurship Program – Tech Developer
- Fintech@Brown – Tech Developer
- Orthodox Christian Fellowship – Treasurer
- Affinity Groups: National Society of Black Engineers, African Student Association, Brown Arab Society

EXPERIENCE

Siemens Digital Industries Software — Troy, MI
Software Development Intern — *May 2025 – Present*
- Selected for a second internship to enhance **Teamcenter's AI Copilot**, focusing on features like like/dislike buttons, stop functionality, and an improved loading bar.

Software Development Intern — *May 2024 – September 2024*
- Built and integrated an **AI Copilot** into Teamcenter using **React** and **JavaScript**, enhancing daily workflow efficiency **by 50%** for end users.
- Created and maintained a **modular UI component** to centralize and host **10** AI-driven features in Teamcenter.
- Earned **3rd place out of 200 interns** at the **Siemens Intern Impact Awards** for innovation in AI design.

Brown Consulting Club — Providence, RI
Consulting Analyst — *January 2025 – Present*
- Advised a **Fortune 500 sporting goods client** on market capitalization strategy for the golf product market.
- Delivered weekly analyses covering **industry trends**, **market sizing**, and **competitive positioning**.
- Compiled **15 weeks of primary and secondary research** into a final client presentation, offering **3 actionable recommendations** for physical product expansion.

Brown University Department of Computer Science — Providence, RI
Research Assistant — *January 2025 – Present*
- Collaborating on research in **teen digital safety** under Professor Diana Freed, focusing on the psychological and behavioral effects of **AI-generated deepfakes**.

Head Teaching Assistant, Inclusive and Accessible Cybersecurity — *December 2023 – Present*
- Managed a team of **5 TAs**, overseeing assignment creation, grading workflows, and infrastructure development **for a new cybersecurity course.**
- Designed and led **5 instructional sessions** on topics such as **privacy, ethical UX, and navigating digital environments safely.**

Wake Forest University School of Medicine — Winston-Salem, NC
Research Assistant, Cleft Palate Study — *July 2024 – September 2024*
- Developed over **30 visualizations** using **Python (Pandas, Vega-Altair, Seaborn)** to support **cleft palate surgical outcome research.**
- Co-authored a research poster that **placed 3rd out of 150** submissions at the **American Cleft Palate Craniofacial Association Conference.** [View Poster]

PROJECTS

Brown Bites | *Java, TypeScript, React* — December 2023 – January 2024
- Co-developed a full-stack app that webscraped **500+** items from Brown's dining API to **generate personalized weekly meal plans** based on users' dietary preferences and daily calorie targets, featuring an intuitive interface and interactive forum for student engagement.

Geomapping Redlining | *Java, React, TypeScript, and Geocoding* — September 2023 – January 2024
- Analyzed redlining and broadband connectivity data from the US Census API using geomapping to identify the overlap between **historically redlined districts and areas with limited internet access**, highlighting systemic digital inequality.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, TypeScript, R, and HTML/CSS.
Frameworks/Tools: GitHub, MySQL, Docker, React.js, Node.js, Figma, SWF, Jenkins, Excel, and Web APIs.
Soft Skills: Communication, Collaboration, Time Management, Project Management, Financial Reports, Arabic.