

Daniel Sedarous

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EDUCATION

Brown University

Providence, RI

B.S. in Computer Science and Applied Mathematics

Aug. 2022 – May 2026

- Courses: Data Structures and Algorithms, Software Engineering, Computer Systems, Machine Learning
- 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 (Incoming)

May 2025 – Present

- Returning intern for Summer 2025 to continue work on AI development within Teamcenter.

Software Development Intern

May 2024 – September 2024

- Integrated an **AI assistant** using **React** and **JS** into Siemens' Teamcenter, streamlining daily user operations.
- Developed and managed a **UI component** within the framework to **host all AI features** in Teamcenter.
- Presented my work on the AI component, placing **3rd out of 200+ interns** at Siemens' Intern Impact Awards.
- Repaired broken automation tests and converted **20+** tests from Cucumber Java to Cucumber JS.

Brown Consulting Club

Providence, RI

January 2025 – Present

Analyst

- Advised a **Fortune 500 sporting goods company** on market strategy as part of a 6-person consulting team.
- Produced weekly reports on **industry trends, market sizing, and competitive analysis** in the golf sector.
- Led **10 stakeholder interviews** with golf athletes to uncover consumer trends and whitespace opportunities.
- Synthesized **15 weeks** of research into a final slide deck, presenting **3 strategic recommendations** on market opportunities in the physical golf products space.

Brown University Department of Computer Science

Providence, RI

Research Assistant

January 2025 – Present

- Conducting research under Professor Diana Freed on **teen digital safety**, with a focus on the implications of **AI-generated deepfakes** and their impact on adolescent well-being and online trust.

Head Teaching Assistant

December 2023 – Present

- Led a team of **5 TAs** in developing assignments, grading workflows, and course infrastructure for a newly launched **Human-Computer Interaction** course.
- Designed and delivered **5 lessons** on HCI topics including privacy, UX principles, and survey methodology.

Wake Forest University School of Medicine

Winston-Salem, NC

July 2024 – September 2024

Research Assistant

- Developed **30+ data visualizations** for Cleft Palate research using Python, Pandas, Vega-Altair, and Seaborn.
- Analyzed a spread sheet of **400+ patients'** data to create visuals allowing patients to see where their scores rank.
- [Research](#) was presented at the American Cleft Palate Craniofacial Association finishing **3rd out of 150 posters**.

PROJECTS

[Brown Bites](#) | *Java, TypeScript, React*

December 2023 – January 2024

- Co-developed a full-stack app that web scraped **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.js, TypeScript, and Geocoding*

September 2023 – January 2024

- Analyzed redlining and broadband connectivity data from the US Census API using geomapping to identify a **40%** 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