



BROWN

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# Daniel Sedarous

## EDUCATION

### Brown University

Providence, RI

*B.S. in Computer Science and Applied Mathematics, 3.9/4.0 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*

- Continuing work to enhance an **AI Copilot** within Siemens' product lifecycle management software suite, Teamcenter, focusing on features such as AI driven entity recognition to improve user satisfaction by **40%**.

*Software Development Intern*

*May 2024 – September 2024*

- Built and integrated an **AI Copilot** into Teamcenter, using React and JavaScript, enhancing daily end user workflow by **50%**
- Created and maintained a modular UI component enabling Teamcenter to host **10** AI-driven features.
- Ranked top **1.5%** of intern cohort in innovation at **Siemens Intern Impact Awards** (3rd out of 200+).

### Brown Consulting Club

Providence, RI

*Consulting Analyst*

*January 2025 – May 2025*

- Advised a **Fortune 500 sporting goods client** on market capitalization strategy for the golf product market.
- Delivered weekly reports covering golf product 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 golf product market expansion.

### Brown University Department of Computer Science

Providence, RI

*Research Assistant*

*January 2025 – Present*

- Designed and deployed 3 qualitative surveys targeting **50+** teens to support research alongside Professor Diana Freed on the psychological and behavioral impacts of **AI-generated deepfakes** on youth digital safety.

*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 for **30+** students on privacy, ethical UX, and navigating digital spaces

### Wake Forest University School of Medicine

Winston-Salem, NC

*Research Assistant, Cleft Palate Study*

*July 2024 – September 2024*

- Translated raw surgical outcome data into **30+** compelling visual insights using Python, driving clinical decision-making for pediatric surgeons.
- Co-authored an award winning [research poster](#) that **placed 3rd out of 150** submissions at the **American Cleft Palate Craniofacial Association Conference**.

## PROJECTS

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

*December 2023 – January 2024*

- Co-developed a full-stack app that webscraped over **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 – November 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.

## SKILLS AND INTERESTS

**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, Arabic (fluent).

**Interests:** Basketball, Football, World Travel, Cars, Technology, Entrepreneurship, and Investing.