

# Adam Heaney

# Student at Brandeis University

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## EDUCATION

- **B.S in Computer Science with a minor in Business** at Brandeis University (**3.8 GPA**) Expected graduation in May 2026
- **Courses:** Java, Data Structures, Linear Algebra, Fundamentals of Artificial Intelligence, Discrete Structures, Operating Systems, Compiler Design, Algorithms, Natural Language Processing, Managerial Accounting, Financial Accounting
- **Achievements and Certificates:** AT&T Technology Academy, ACT Score of 35. Awarded Excellence in Computer Science Award for outstanding academic computer science skills.

## EXPERIENCE

### Financial Accounting Teaching Assistant, Brandeis University

August 2024 - Current

#### Lead Teaching Assistant

- Lectured and led a university-level class of **40+ students** weekly on Financial Accounting, showcasing **leadership** and ability to teach, explain, and educate on what I've learned.
- Monitored student progress and provided weekly feedback to the professor regarding class performance and areas of difficulty.
- Received an average feedback rating of **4.5/5**

### Elevation, Tel-Aviv, Israel

June 2024 - August 2024

#### Frontend Intern

- Created **2 tech demos** using React.js and Firebase, and **3 presentations** to educate **50+ employees** of companies such as Google, Wix, EY, Facebook, and more, as well as partners of Elevation, on those technologies.
- Received mentorship from professionals in an open office environment of **20+ employees**, improving hard skills such as **React, JavaScript, Firebase, and web development**, and soft skills such as responsiveness, networking, collaboration, and coachability.

### Tutatet, Tel-Aviv, Israel, Remote

January 2024 - May 2024

#### Software Engineer Intern

- Increased **user retention time by 200%** by leading 10 SWEs through a complete reconstruction of the **TypeScript** and **AWS** client-server architecture, and migrated 100% of the cloud infrastructure from Terraform to **Pulumi TypeScript**.
- Achieved 1st at the Einstein Hackathon and 2nd at Innovating for Resilience, and received an invitation to present at the ASU + GSV Summit. Coordinated weekly consultations with the CEO & CTO and organized Frontend, Cloud, and DevOps lessons.
- Created over 10 separate web pages for the company's MVP using **React** and **Typescript**, utilizing **AWS** to deploy the website online.

### J&M Children's Wear, Brooklyn, New York

May 2023 - August 2023

#### Management Intern

- Introduced new software to the company, saving at least 1 hour a day of analyzing Amazon product trends by hand.
- Supported the business executive in analyzing daily sales data of over \$10k and financial reports using Microsoft Excel and **Quickbooks** to drive decision-making and planning.
- Actively assisted in closely managing and overseeing over 20 employees across 3 locations.

## PROJECTS

### Personal Blog Website with React.js

November 2024 - December 2024

#### adameheaney.github.io

- Created, designed, and deployed a personal website using React.js, CSS modules, JavaScript, Vite, and Github Pages for deployment.
- Wrote over 2000 lines of React.js code across 20+ components, utilizing features such as ReactRouter for dynamic routing, React hooks such as useState() and useEffect(), and React's robust modularity.
- Developed a full-stack Backgammon web application using Java with Spring Boot for the backend to expose REST APIs and React for the frontend, enabling seamless real-time player interactions and dynamic game state visualization.

### AI Handwritten Equation Solver

November 2023 - December 2023

- Created a program in Python that takes an image of a simple handwritten math equation and outputs the answer to the equation.
- Designed and implemented an efficient Convolutional Neural Network in Python using the TensorFlow library to recognize and identify digits and a few mathematical symbols with 95% accuracy.
- Gathered over 5000 images from datasets for sufficient training and testing of the AI Model.