

Matthew Caplovitz

mcap@brandeis.edu ❖ (512) 964-1320 ❖ [Linkedin](#) ❖ [Github](#)

EDUCATION

Brandeis University *B.A in Computer Science, with minors in Business and Film*
Deans List 2021-2023

May 2023
Waltham, MA

Relevant Coursework

- *Operating Systems* - Programmed a UNIX shell, and designed a task scheduler in Java
- *Data Management for Data Science* - Implemented SQL, MapReduce, & Spark, analyzed and cleaned data
- *Advanced Programming Techniques in Java* - Java fundamentals such as the design of classes, interfaces, and packages
- *Data Structures and Algorithms* - design, analysis, & implementation of data structures and algorithms
- *Discrete Math* - principles of logic and induction; number theory; counting, summation, and recurrence relations
- *Human-Computer Interaction* - methodology for designing & testing user interfaces, interaction styles & techniques
- *Fundamentals of Software Engineering* - design & construction of large bodies of software
- *Effective Communication for Computer Scientists* - basics of oral communication & presentation
- *Introduction to 3D animation* - learned 3d animation techniques
- *Data Analysis for Environmental Science* - used data science techniques to analyze and synthesize data
- *Computer Security* - implementation of foundational concepts in computer and network security

WORK EXPERIENCE

SpeakerMatch
Software Engineer

Jan. 2017 – Present

- Built features and assisted in the management of the website
- Streamlined contact management system, reducing call operations by 35% - almost 3 minutes per call
- Worked with the founding engineer to maintain and extend codebase
- Developed integration with Speaker-AI

Information Technology Services Helpdesk - Brandeis University
Manager

Aug. 2020 – June 2023

- Provide comprehensive support to a large user base of over 6000 individuals, efficiently handling and resolving 250 to 300 support tickets per week. This includes troubleshooting, diagnosing issues, and ensuring that all user needs are met in a timely manner.
- Serve as a skilled systems technician and frontline support specialist, responsible for repairing computers and software. This role involves meticulous attention to detail, expertise in various hardware and software technologies, and a commitment to restoring functionality and enhancing user experience.

Teaching Assistant- Brandeis University
Introduction to Python Teaching Assistant

Aug. 2022 – May. 2023

- Assisted over 110 students in understanding Python programming concepts during lab sessions and office hours.
- Review and grade Python assignments, providing constructive feedback to help students improve.
- Collaborate with the course instructor to develop Python lesson plans, assignments, and exams.

PERSONAL PROJECTS & ACTIVITIES

- **Speaker-AI**
 - Developed a web scraping and content parsing Node.js application, integrated with the OpenAI API for real-time content analysis.
- **[Chauffeur Service Website](#)**
 - Developed and implemented a website for a small business using Node.js, HTML and CSS
 - Leveraged Sqare API among others to allow for seamless payment
- **[Deishacks 2021](#)**
 - Implemented a [website](#) to help the homeless find resources in the greater Boston area
 - Leveraged IP geolocation in concert with the Google Maps API to provide users with nearby services
- **[Wardrobe Chrome Extension](#)**
 - Designed a chrome extension that enables cross-provider price aggregation
 - Implemented a proof of concept using CORS overrides and the JavaScript Fetch API
- **[Wellesley Hackathon 2021](#)**
 - Designed a concept social media website to connect people through the Spotify “Now Playing” API
- **[Deishacks 2022](#)**
 - Used Figma to design an interactive app prototype to help kids with financial literacy
- **[Deishacks 2023](#)**
 - Developed a standardized Excel tool and an internal analytics platform for [Clipper Ship](#) to efficiently visualize and understand grant allocations for local youth programs.

SKILLS, LANGUAGES, & INTERESTS

Languages: Java, Python, SQL, Pandas, HTML, CSS, JavaScript, PHP
Skills: Programming, Video Production, Adobe Creative Cloud, Project Management, Robotics, Teaching
Interests: Reading, video games, Magic the Gathering, traveling, graphic design, learning, problem solving, Seinfeld

