

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*
 - *Data Management for Data Science* (SQL, MapReduce, & Spark)
 - *Advanced Programming Techniques in Java*
 - *Data Structures and Algorithms*
 - *Discrete Math*
- *Human-Computer Interaction*
 - *Effective Communication for Computer Scientists*
 - *Introduction to 3D animation* (Unity & Blender)
 - *Data Analysis for Environmental Science*
 - *Computer Security*

WORK EXPERIENCE

SpeakerMatch - *Software Engineer*
Developed NodeJS package to scrape various web sources for open professional speaking engagements. The application identifies and parses fields such as compensation, location, profession, etc. and adds engagements to the company’s marketplace platform.

May 2023 – Present

- Created a method to asynchronously update the marketplace with newly parsed postings through automated scheduling on a Linux-based web server.
- Used OpenAI API to convert input text from professional listings into easily parsed JSON objects.
- Implemented an integration with SpeakerMatch to automatically process JSON data and add listings to the marketplace.

SpeakerMatch
Software Engineering Intern

Aug 2018 – Aug 2019

- Streamlined contact management system, reducing call operations by 35% - almost 3 minutes per call.
- Built features and assisted in the management of the website.

Information Technology Services Helpdesk - Brandeis University
Manager

Aug. 2020 – June 2023

- Provide comprehensive support to over 6000 users, efficiently handling and resolving 250 to 300 support tickets per week.
- Troubleshooting, diagnosed issues, and ensured 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.

Teaching Assistant- Brandeis University
Introduction to Computer Science Teaching Assistant

Aug. 2022 – May. 2023

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

PERSONAL PROJECTS & ACTIVITIES

- [Chauffeur Service Website](#)
 - Developed and implemented a website for a small business using Node.js, HTML and CSS
 - Leveraged Square API among others to allow for seamless payment
- [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.
- [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
- [DeisHacks 2022](#)
 - Used Figma to design an interactive app prototype to help kids with financial literacy
- [Wellesley Hackathon 2021](#)
 - Designed a concept social media website to connect people through the Spotify “Now Playing” API
- [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

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, traveling, graphic design, problem solving, Magic the Gathering, Seinfeld

