

# Matan Gans

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## EDUCATION

**Brown University** — Sc.B in Computer Science

Providence, RI, May 2022

GPA: 4.0 out of 4.0

Relevant Coursework: *Object-Oriented Programming, Algorithms and Data Structures, Computer Systems, Software Engineering, Data Science, Logic for Systems, Discrete Structures and Probability, Multivariable Calculus, Statistics*

**Lexington High School**

Lexington, MA, Graduated June 2018

GPA: 4.04 (Cumulative, Unweighted out of 4.0)

Extracurriculars: *Varsity Swim Team, Jazz Septet, CS Teaching Assistant, National Honor Society, Global Citizens Corps*

## WORK EXPERIENCE

**Zebra Technologies**, *Assistant Data Engineer*

Burlington, MA, Summer 2020

- Developed scripts using Python to generate a dataset of COVID-19 statistics and calculated trend metrics, providing all clients using the application with information according to a store's location
- Used Google Cloud Functions and Storage APIs to automate a daily update of data into the application interface
- Created custom metrics and alerting policies with Google Cloud Logging and Monitoring APIs, and presented solutions and documentation to the Zebra Prescriptive Analytics team to improve the team's monitoring capabilities
- Implemented a connector in Java from data stored in the Apache Kafka distributed streaming platform to Google Pub/Sub through the Kafka Connect framework

## SELECTED PROJECTS

**Apollo (Java, HTML, CSS, JavaScript)**

Spring 2020

- Created a web-based note-taking application that uses speech-to-text transcription and text summarization in an easy-to-navigate interface to assist doctors with recording patient visits in an effort to find solutions for inefficiency and burnout in the medical field
- Used Java to implement a pattern-matching algorithm to quickly search for symptoms keywords
- Stored data in and queried a SQL database to represent patient and visit information on front-end web pages

**Predictagram (Python)**

Spring 2020

- Developed a machine-learned model for predicting likes on Instagram posts made by popular musicians
- Scraped web pages, analyzed data using pandas, extracted natural language processing features by vectorizing caption content, and trained regression models through the scikit-learn machine learning library in Python

**MentorConnect (Python, HTML, CSS)**

Spring 2020

- Made a web application using Python and the Flask web framework to facilitate the connection of students with peer mentors so that stronger and more interesting advising relationships can be formed
- Implemented an underlying algorithm to rank mentor profiles with a matching system using a back-end database
- Worked with a team to build a website as part of Hack@Brown 2020, Brown University's annual hackathon

**Shell (C)**

Fall 2019

- Wrote a program in C to emulate a UNIX shell that interacts with users through the terminal
- Features include the execution of built-in terminal commands, redirection to input and output files, creation and control of foreground and background jobs, and the ability to handle signals

## EXTRACURRICULARS AND LEADERSHIP

**Blognonian**, *Staff Writer*

Providence, RI, Fall 2018 – Spring 2020

- Wrote articles for a blog publication containing humorous content related to student life on the Brown campus

**Brown University Jazz Band**, *Bass Player*

Providence, RI, Fall 2018 – Spring 2019

- Attended two rehearsals a week, as well as weekly private lessons and regular practice
- Performed in several concerts every semester, and as part of the house band for bi-weekly jam sessions on campus

## SKILLS AND INTERESTS

**Technologies:** Java, Python, C, SQL, HTML/CSS, JavaScript, Git/GitHub, Pandas, Scikit-Learn, Google Cloud Platform

**Languages:** English (Native Speaker), Hebrew (Native Speaker), Spanish (Proficient), Italian (Beginner)

**Interests:** Music, movies, swimming, reading, writing, neuroscience

**Personal Website:** matangans.com.

**LinkedIn:** linkedin.com/in/matan-gans-a3a958175 **Github:** github.com/matangans23