

GABRIEL DEMES

New York, 10308 | 📞 (917) 623-4879 | ✉️ Gabriel.Y.Demes@gmail.com

📁 [Portfolio](#) | 📝 [Medium](#) | 💼 [LinkedIn](#) | 🐙 [GitHub](#)

SOFTWARE ENGINEER

Highly motivated and self driven programmer seeking a software engineering opportunity. Experience building both solo and collaborative applications using full-stack code to create better user experiences. Looking to apply analytical skills and strong knowledge of advanced technologies in designing and integrating new software.

TECHNICAL SKILLS

Python, JavaScript, React, Redux, Ionic, Ruby, Ruby on Rails, HTML, CSS, SQL, RESTful APIs, GitHub, PostgreSQL, SQLite, Terminal, Postman, VSCode

TECHNICAL PROJECTS

Moment Journal - [Frontend](#) | [Backend](#) | [Demo](#)

Journaling application that integrates speech-to-text functionality, offering greater accessibility to online journaling.

- Developed React frontend, and Ruby on Rails API backend with a PostgreSQL database
- Incorporated speech recognition API and voice command functionality to extend usability
- Integrated sentiment analysis using Google's Natural Language API allowing users to track entry sentiments
- Implemented calendar feature allowing user to easily navigate entries across multiple entries

MockTube - [Frontend](#) | [Backend](#) | [Demo](#)

Video streaming application designed as a YouTube Clone.

- Developed React frontend, and Ruby on Rails API backend with a PostgreSQL database
- Integrated Web Sockets using Action Cable to build a real-time comments section
- Implemented backend external API calls allowing users to persist image and video files to the database
- Designed user interface by incorporating Material UI framework components

Frello - [Frontend](#) | [Backend](#)

Task management application allowing organizations and users to easily track project progressions

- Developed JavaScript frontend and Ruby on Rails API backend with a PostgreSQL database
- Utilized HTML, CSS, and JavaScript DOM manipulation to design a single page application.
- Implemented Rails API backend following RESTful routing principles with multiple endpoints for entries
- Developed user authentication features using Rails validations for user and organization protection

EXPERIENCE

Success Academy Ditmas Park Middle School, Brooklyn, NY

Math Teacher

October 2020 - Jan 2021

- Analyzed student data to implement curriculum changes, leading to an increase in overall school math ranking

New York University KARMS, Division of Libraries, New York, NY

Slavic Monographs Student Assistant

June 2018 - May 2020

- Compiled digital information about foreign material increasing available online russian records by 25%

K12 STEM Education NYU Tandon School of Engineering, Brooklyn, NY

Science of Smart Cities Instructor

June 2017 - Aug. 2017

- Composed and conducted lessons in computer science, math, and science to facilitate the understanding and learning of middle school students

EDUCATION

Flatiron School, New York, NY

Certificate, Full Stack Web Development, Ruby on Rails and JavaScript program

Jan 2021 - April 2021

New York University, College of Arts and Science, New York, NY

Bachelor of Arts, Psycholinguistics, *Cum Laude*, GPA: 3.7

Minor, Middle Eastern and Islamic Studies (Arabic)

Study Abroad: NYU Abu Dhabi, United Arab Emirates | NYU Prague, Czech Republic

Honors/Scholarships: J. William Fulbright Foreign Scholarship, University Honors Scholar

May 2020