

Joshua Forlenza

732-703-0809 | joshforlenza@gmail.com | [linkedin.com/in/joshuaforlenza](https://www.linkedin.com/in/joshuaforlenza) | github.com/joshforlenza

EDUCATION

New York University

Bachelor of Arts in Computer Science

New York, NY

Aug. 2020 – May 2024

- Magna cum laude (3.9 GPA)
- **Relevant Coursework:** Applied Internet Technology, Agile Software Development and DevOps, Data Management and Analysis, Software Engineering

EXPERIENCE

Software Developer Intern

GBCS Group

April 2024 – June 2024

Calgary, AB (Remote)

- Led a team in the development of GBCS University, a full-stack web application for company onboarding and task management, utilizing Next.js, Prisma, PostgreSQL, and GraphQL
- Promoted to team lead, overseeing the development and implementation of key features
- Successfully integrated the Google Calendar API to enhance scheduling and event management capabilities
- Designed and developed a React coding challenge to assess and recruit new software engineering hires

Technology Assistant

WNYU Radio

Jan. 2024 – April 2024

New York, NY

- Worked with two other developers to redesign the web application for WNYU Radio
- Created a new frontend using Next.js, redesigning the UI for a modern web experience
- Implemented an API for archiving radio show episodes, improving content accessibility

PROJECTS

Voice Memo Recorder | *Python, Flask, Docker, MongoDB*

May 2024 – May 2024

- Collaborated with a team to develop a containerized application comprising three subsystems with Flask serving a REST API
- Created a machine learning client that utilizes Python's speech recognition library to transcribe audio
- Developed a user-friendly web application for recording and managing voice memo transcriptions
- Set up continuous integration and delivery using GitHub actions, building and testing the application with every pull request

Concerts.IO | *JavaScript, Express, React, MongoDB*

Feb. 2023 – May 2023

- Built a MERN stack web application with three other developers following an Agile methodology and Git feature branch workflow
- Integrated Spotify and Ticketmaster APIs to enable users to find nearby concerts
- Developed functionality allowing users to register on the website and save concerts of interest
- Deployed the application using DigitalOcean with continuous deployment workflows

Music Is My Personality | *JavaScript, Node.js, Express, MongoDB*

Nov. 2021 – Dec. 2021

- Developed an Express web app that analyzes Spotify users' music libraries to generate personalized summaries of their music taste
- Implemented user authentication and music library access using the Spotify API
- Provided statistics comparing users' music tastes to other Spotify users and allowed users to create profile pages showcasing their music taste

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks: React, Node.js, Flask, Express, Next.js

Developer Tools: Git, Docker, VS Code, Continuous Integration, CI/CD

Libraries: pandas, NumPy, Matplotlib

Databases & Tools: PostgreSQL, Prisma, GraphQL, MongoDB, Mongoose

Methodologies: Agile, Scrum, DevOps