

MICHAEL ZACHOR

SOFTWARE ENGINEER

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EDUCATION

New York University Tandon School of Engineering, Brooklyn, NY

- Master of Science in Computer Science expected May 2023
- Bachelor of Science in Integrated Design & Media expected May 2022

EXPERIENCE

Qtracks Music Logging Site

NYU Tandon Senior Project Feb 2022 - Apr 2022

- Users rate, tag, and analyze music they've played on Spotify
- Used Node.js & Spotify API for backend, React.js for frontend
- Host API on Heroku & site on Netlify, save data on MongoDB

Algorithms Teaching Assistant

NYU Tandon Computer Science, Brooklyn, NY Sep 2021 -

- Analyze sorting/selection/hashing/searching algorithms
- Analyze min-spanning trees, single-source shortest paths
- Grade weekly homework and help students in office hours

Web Developer

United Nations Development Programme Nov 2021 - March 2022

- Developed improved website for The Lion's Share Fund
- Created Squarespace web pages based on graphic model
- Ensured website communicates organization's mission

Research Assistant

NYU Ability Project, Brooklyn, NY June 2020 - Aug 2020

- Created API for musical gadget for use with Google Chrome
- Used React.js to connect gadget to Chrome via Bluetooth
- Designed online synth instrument using Tone.js
- Researched intersection between disability and music tech

Enrollment Specialist

NYU Tandon Online, Brooklyn, NY Jan 2019 - May 2021

- Displayed expertise in NYU Online MS application process
- Provided clients with information by phone and email
- Trained new employees as longest-serving team member

RELEVANT COURSES

- Data Structures
- Object Oriented Programming
- Design & Analysis of Algorithms
- Principles of Database Systems
- Dynamic Web Applications
- Programming Languages
- Computer Networking
- Operating Systems
- User Experience

CODING LANGUAGES

- JavaScript | React.js | Node.js
- HTML/CSS
- Python, C++, Java
- PostgreSQL

OTHER SKILLS

- MongoDB, Firespace
- Git, Github
- Reaper, Max MSP, GarageBand
- Figma, Adobe Premiere Pro
- Asana, Salesforce, Slack
- Fluent Polish
- Conversational Spanish

INTERESTS

- Host a jazz radio show on WNYU
- Create and release original music