

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 December 2022
 - Bachelor of Science in Integrated Digital Media, current GPA: 3.86 expected May 2022
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EXPERIENCE

ALGORITHMS TEACHING ASSISTANT

NYU Tandon Computer Science, Brooklyn, NY Sep 2021 -

- Exhibit deep understanding of sorting, selection, hashing, searching, minimum spanning trees, and single-source shortest path algorithms
- Hold office hours and grade homework assignments for graduate and undergraduate students in a course on design and analysis of algorithms

RATE KILLINGTON SOCIAL MEDIA SITE

NYU Tandon Dynamic Web Apps Course Nov 2020 - Dec 2020

- Created a website where users can create accounts and rate various trails and activities at Killington Ski Resort.
- Used Node.js for backend and React.js, HTML/CSS for frontend.
- Host an API on Heroku, store user data on Firebase, host website on Netlify

ENROLLMENT SPECIALIST

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

- Provided clients with detailed information via phone and email
- Consistently praised by management for efficiency, reliability, and leadership

RESEARCH ASSISTANT

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

- Created a React.js API for a third party music-making gadget so it can be used in Chrome without the company's app
- Designed an online synth instrument using Tone.js for use with our web app
- Collaborated with other researchers to explore the intersection between disability and music technology

DATA RESPONSIBILITY INTERN

The Govlab, Brooklyn, NY June 2019 - Aug 2019

- Presented strategies for company outreach
- Organized various projects to raise awareness of the need for data stewardship

RELEVANT COURSES

- Intro to Programming (Python)
- Data Structures (Java)
- Object Oriented Programming (C++)
- Programming Languages (Haskell)
- Design & Analysis of Algorithms
- Principles of Database Systems (SQL)
- Creative Coding (Processing)
- Web Development / Dynamic Web Applications (HTML/CSS/Javascript)
- User Experience

SKILLS

- Python, C++, HTML/CSS, Java, JavaScript
 - React.js, Node.js
- Fluent Polish, Conversational Spanish
- Microsoft Office, G Suite
- Reaper, Max MSP, GarageBand
- Figma, Adobe Premiere Pro
- Asana, Salesforce, Slack