

Andy Mina

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Education

Macaulay Honors College at CUNY Hunter College - *Class of 2022 | 3.76 GPA*

- Double Major: Computer Science, Music
- Daedalus Computer Science Honors Program
- NYC Tech Talent Pipeline Student Developer
- *Coursework:* Software Analysis & Design, Data Structures & Algorithms, Discrete Math, OOP

Experience

Lead Instructor - *CodeAdvantage, Oct. 2018 - Present*

- Taught computer science fundamentals including functions, loops, and object-oriented programming to 3 classes of children in grades 1-8 with no prior experience
- Increased classroom productivity by encouraging students to collaboratively build knowledge through effective technical communication
- Create targeted lessons plans for 4 curricula to improve active student engagement in the classroom
- Fostered a collaborative, helpful, and welcoming learning environment by encouraging students to ask for help and teach one another

Projects

MusiqU - *JavaScript, MongoDB, Express.js, React, Node.js*

July 2019 - Present

- Built a responsive web-app that allows for collaborative music queueing encouraging social listening
- Integrated a design system where all users in a user-created room can queue songs to a global playlist so active users within the room can listen in real time
- Created a rudimentary social media network that allows users to add friends, message one another, and join private listening rooms using Socket.IO
- Employed the Spotify API so users can add songs directly from their song library or favorite playlists
- Deployed a custom-built RESTful API that queries a MongoDB NoSQL database to handle user-driven events

CMS Manager - *JavaScript, React*

January 2019

- Engineered a Content Management System that allows clients to easily update the content when necessary without the need for code
- Creatively implemented Google's NoSQL database to store content allowing for real-time web editing
- Designed a clear, intuitive, and responsive UI/UX using Adobe XD to ensure user flow was seamless and simple

Chime - *JavaScript, Java, Objective-C, React Native*

April 2018 - December 2018

- Developed a cross-platform mobile app for iOS and Android that effectively uses location-based alarms designed to wake users up at their destination on public transportation
- Led a team of 3 programmers to ensure location-based alarms were accurate within a range of 300 ft using React Native
- Produced an interactive visual prototype using Adobe XD to guarantee a user-friendly app flow
- Programmed the app to include the Google Maps API so users can access their pinned locations

Skills

Languages: JavaScript (*Expert*), C++ (*Proficient*), Java (*Familiar*), Python (*Familiar*)

Tools & Frameworks: React, Redux, React Native, Bootstrap 4, Node.js, Express.js, MongoDB

Design: Full Stack Web Development, Photoshop & Illustrator (*Certified*), Adobe XD

Awards

- CUNY IBM-Watson Social Impact Challenge - *2nd place*
- NYC Graphic Arts Competition - *2nd place in Web Design*