Andy Mina

andy.mina@macaulay.cuny.edu
(718) 820-2348
github.com/andymina
andymina.com

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*
- Teach computer science fundamentals including functions, loops, and object-oriented programming to three classes of elementary and middle school students
- Increase 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
- Foster 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 - August 2019*
- 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 NoSQL databse 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
- Implemented Google's NoSQL database to store content allowing for real-time web editing
- Designed a clear, intuive, and responsive UI/UX using Adobe XD to ensure a seamless, simple user flow

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 using React Native to ensure accuracy of location-based alarms within a range of 300 ft
- 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*