

MICHAEL TSE

FULL STACK DEVELOPER

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SKILLS

Javascript, Python, C++, React, React-Native, Django, Django Channels, Node Js, Express Js, Socket IO, PostgreSQL, Firebase, Postman, HTML, CSS, Sass, Foundation CSS, Github, Redux

PROFESSIONAL EXPERIENCE

Maco, Full Stack Developer Intern, New York, NY Apr. 2019 - Sept. 2019

- Spearheaded a project for Military Appreciation Month , which promoted 15% of new users.
- Improved applications request acquisition capabilities from 300u/s to 1000u/s.
- Implemented and organized dashboard functionalities to better assist operations team based on data metrics and user feedback during weekly sprint meetings.

General Assembly, Junior Web Developer, New York, NY Dec. 2018 - Mar. 2019

- Developed full-stack web applications and games, overseeing the entire development process from ideation and wireframing to MVP scoping, execution, and deployment.
- Collaborated closely with UX designers and fellow developers to create a promotional website for a restaurant, utilizing Agile methodologies such as Scrum, Pair Programming, Code Review, and Git version control to ensure efficient development and high-quality code.
- Utilized ERD modeling techniques to design robust and scalable databases, optimizing application performance and data storage.

Per Scholas, Front End Web Development, Bronx, NY Oct. 2018 - Dec. 2018

- Developed visually appealing and user-friendly front-end websites and applications for diverse use cases including promotion, entertainment, information dissemination, and practical tasks.
- Worked both independently and collaboratively with fellow developers, utilizing design thinking and user-centered design principles to create innovative and unique designs that deliver exceptional user experiences.
- Conducted thorough research and analysis of user needs and preferences, incorporating user feedback to optimize designs for usability and accessibility.

PROJECTS

Aria Jan. 2023 - Mar. 2023

React-Django / Django Channels application

- Collaborated with a classmate and developed an innovative YouTube sharing app that enables simultaneous viewing and fosters a collaborative environment.
- Used Socket io to enable efficient and real-time communication between users and server, enhancing user experience.
- Integrated Firebase for secure and efficient user authentication, improving the sign-up and login experience.

Codenames Sept. 2021 - Dec. 2021

React-Django / Django Channels application

- Launched the development of a sophisticated full-stack web application replicating the game CodeNames, leveraging React and Django to achieve seamless unidirectional data flow and streamlined configuration management.
- Harnessed Django Channels framework for real-time communication and interactive features, fostering user engagement and collaboration.
- Optimized the web application's performance by implementing server-side caching techniques, resulting in improved response times and scalability.

Photo Wing(Open With Expo) Feb. 2019 - Mar. 2019

React-Native / Ruby on Rails application

- Created a RESTful API using a powerful Rails backend to support a cutting-edge React Native app deployment.
- Skillfully incorporated bcrypt authentication and gained valuable experience in iOS development, delivering a top-tier user experience.
- Enhanced user experience and data security by implementing Firebase's bcrypt for user information protection in the application.

EDUCATION

Hunter College Aug. 2019 - Dec. 2022

BA - Computer Science

Relevant Coursework:

- Software Analysis and Design 1-3
- Practical Web Development
- Database Management
- Capstone