

Michael Ng Cen

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EDUCATION

Queens College *Bachelor of Arts in Computer Science & Economics*

SKILLS

Languages: JavaScript, Ruby, SQL, HTML5, CSS3, TypeScript, C++, Java

Frameworks/Libraries: React, Redux, Ruby on Rails, jQuery, Node.js, Express, Mongoose

Tools/Technologies: Prisma, Supabase, Tailwind, MongoDB, AWS, Git, GitHub, Microsoft Office, Google Workspace

Certifications: Full-Stack Web Development Course (App Academy), Leading with Finance (Harvard Business School)

WORK EXPERIENCE

Frontend Simplified

Jul 2023 - Jul 2023

Software Engineer Intern

New York, NY

- Revamped a static HTML, CSS, JavaScript, and React app with animations, transitions, and carousels. This led to a 10% boost in user engagement and a 30% drop in bounce rates. Worked closely with Frontend and UX/UI teams for seamless integration.
- Reduced data fetch times by 30% by processing API requests with Axios to dynamically represent cloud server data through skeleton loading states, pagination, and dynamic routing.
- Improved virtual team code collaboration and reduced merge conflicts utilizing Git version control and GitHub.

Ngcen LLC

Jun 2020 - Present

Owner

New York, NY

- Reduced inventory costs by 14% through strategic supplier relationships and market trend analysis. Used BATNA negotiation and Excel for precise decision-making.
- Generated \$100K in annual revenue through strategic reselling techniques such as bulk purchasing discounts and cross-selling complementary items; leveraged Tableau to identify high-potential products and optimize pricing strategies.

PROJECTS

Twicify (Ruby on Rails, React, Redux, AWS) [Live](#) | [GitHub](#)

Jul 2022 - Aug 2022

Full-stack clone of Spotify where logged-in users can listen to music and manage playlists

- Optimized app responsiveness with state management, AJAX handling, and React lifecycles. Achieved 10% lower bounce rates, and 15% faster page loads
- Crafted React components with autocomplete suggestions, real-time validation checks, and intuitive UI for efficient playlist creation, editing, and deletion.
- Streamlined image and song management with AWS S3 and Rails Active Storage integration, resulting in faster load times and an optimized upload process.

Nwflxs (MongoDB, React, Next.js, Prisma DB) [Live](#) | [GitHub](#)

May 2023 - Jun 2023

Full-stack Netflix clone for watching music videos allows logged-in users to add and remove videos from "My List"

- Engineered custom hooks for precise state management, including user preferences like "My List" and authentication. Integrated eternal icons for intuitive play, pause, skip, and rating actions, amplifying functionality, and user interaction.
- Enhanced app performance: Utilized useMemo to cut component load time by 200ms for favorite video calculation.
- Engineered a responsive and interactive MovieCard component in React, featuring hover effects and clickable elements.

Task-It (MongoDB, Express, React, Redux, Node.js, Socket.io) [Live](#) | [GitHub](#)

Aug 2022 - Sep 2022

Web application for team-based project management, featuring task creation, live chat, and project status visualization

- Managed component state to enhance code reusability and streamline workflows using React Hooks.
- Designed a visually appealing logo using Adobe Illustrator to enhance brand identity and increase user engagement.
- Reduced debugging time through coordinated team sessions, and utilized GitHub pull requests for code review/integration.