

Nathaniel Dixon

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Education

New York University

Bachelor of Arts in Computer Science, Minor in Child and Adolescent Mental Health, GPA: 3.6

New York, NY

May 2024

Technical Skills

Languages: JavaScript, HTML, CSS, Python, Java, SQL

Frameworks: React, React Native, Node.js, Flask, Material-UI

Databases and Backend Services: Firebase, Supabase, MongoDB

Developer Tools: Git, VS Code

Coursework: Data Structures, Applied Internet Technology, Data Management and Analysis, Algorithmic Problem Solving, Basic Algorithms, Natural Language Processing, Software Engineering

Experience

Full Stack Developer: AceWise Inc, New York, NY

Oct. 2023 - Current

- Developed a web platform helping students from over 15 schools in New York City explore the career path that's best fit for them.
- Created a user authentication system with Supabase Authentication, enabling secure access across multiple devices for personalized career guidance features.
- Implemented real-time notifications and surveys to improve student engagement with instructor updates, which resulted in a 73% increase in student survey completion rate, which allowed instructors to gather valuable feedback from a larger portion of the student body.

Full Stack Developer: Mobu (Startup), New York, NY

Mar. 2022 - Feb. 2023

- Leveraged React Native to develop a cross-platform mobile app, resulting in a 60% reduction in development time compared to native app development.
- Streamlined mobile app development by utilizing Firebase's backend solutions like Cloud Storage, Firestore, and Firebase Authentication, which reduced development time, resources, and cost needed for back-end infrastructure.
- Identified and resolved 17 critical bugs within the mobile app's architecture, which resulted in an elimination of app crashes and a 36% improvement in user satisfaction, as measured by in-app surveys.
- Conducted a comprehensive performance evaluation of the mobile app using automated and manual testing frameworks, which resulted in an 80% improvement in app loading time.

Front End Developer: Prestigious Gaming on Wheels Plus, New York, NY

Sept. 2020 - Current

- Built a ReactJS website to showcase package pricing, informing over 3,200 visitors yearly.
- Integrated on-site e-invite creation utilized by over 150 clients, which saved clients time and resources.
- Introduced a user-friendly contact form that has been utilized by over 225 clients, which led to improved lead conversion rates and streamlined communication for potential clients.

Projects

LND's Motivational Media | React Native, JavaScript

- Developed a cross-platform mobile inspiration app using React Native, allowing users to share and discover motivational content.
- Increased user engagement by 37% through features like personalized recommendations and a daily inspirational quote notification system.

NCP's Portfolio Calculator | React.js, JavaScript, HTML, CSS

- Designed and built a user-friendly ReactJS website for managing investment portfolios, empowering users to effortlessly track the value of their assets over time
- Integrated Firebase for past searches, which allows users to access historical data with 15 fewer clicks on average

vacAItion | React.js, Python, JavaScript, HTML, CSS

- Crafted an AI-powered travel platform that tailors dream vacations to your preferences, built during the HackGPT hackathon.
- Utilized machine learning to personalize vacation recommendations based on user preferences, resulting in highly satisfied users

A Better Influence | React.js, HTML, CSS

- Designed and developed a platform connecting eco-conscious social media influencers with environmentally responsible companies.
- Facilitated partnerships between influencers and brands committed to sustainability.