

Benjamin Hamilton

Software Engineer

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Skills

Programming: JavaScript, Java, Python, SQL, C, C++ **App Dev:** React, React Native, HTML, CSS, Node.js

Frameworks: Pandas, jQuery, Django, Express, TensorFlow **Software:** Github, Git, Azure, Atom, DataGrip

Career Objective

Driven Software Engineer with entrepreneurial experience and strong communication skills seeking to apply self-starter abilities in a professional environment. Aims to contribute technical expertise while gaining comprehensive insight into industry-standard development processes and practices.

Education

B.S. - Information and Computer Sciences

(Sep 2018 - May 2022)

University of Massachusetts Amherst - Amherst, MA

Work Experience

Hamilton Development Studios

Hudson, MA

Founder/ iOS Developer

(Jan 2024 - Present)

[Link to Apple App Store](#)

- Developed and launched to the Apple App Store a full-featured workout tracking app using **React Native** and **SQLite**, enabling users to log and analyze lifting sessions across structured training cycles.
- Engineered a **muscle fatigue prediction system**, providing users with real-time insights into expected post-workout soreness based on recent activity.
- Built an interactive **data visualization dashboard** featuring workout frequency charts, muscle group breakdowns, and user favorites for quick and helpful insights.
- Built a **local storage backend with SQLite**, ensuring fast, offline access to user data and seamless performance on mobile devices.

Tatum Robotics

Boston, MA

Full Stack Consultant

(Jan 2023 - May 2023)

- Developed a custom website using React and Gatsby based on a design package given to me by the client to upgrade and replace the website that was already in use.
- Integrated Contentful CMS to manage and store website data
- Used Third-Party Email API to connect users to the company's Monthly Newsletter and allow users to contact the company directly

SPI Pharma

Wilmington, DE

Software Intern

(Aug 2023 - Oct 2023)

- Streamlined and optimized database performance by modifying and optimizing existing SQL procedures, triggers, tables, and queries
- Consolidated scattered production data from various sources into a centralized Production Data Warehouse, enabling more efficient data comparison and analysis.
- Utilized Tableau to create interactive data visualizations, dashboards, and worksheets, enhancing data representation and accessibility for our clients and the company.
- Successfully resolved a variety of IT Helpdesk tickets submitted by coworkers and clients

Github Commit Tree

Projects

BetSmarter : React Native app designed to help users understand and improve their sports betting strategy

Game-Library : React Native library of simple phone games, includes Crossword, Sudoku, Word Search + more

Chloe-Goodman-Hair : [Next.js](#) website made for Hair Stylist to handle booking and sharing hair videos

NBA-Analysis : [Next.js](#) website to host Machine Learning model to predict NBA Outcomes

Double-Double-Website : [Next.js](#) website for Basketball Podcast that includes Blog and Player Breakdowns