

Timothy James Barrett
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EDUCATION

- Stevens Institute of Technology** Hoboken, NJ
Bachelor of Science in Computer Science *September 2016 - May 2020*

WORK EXPERIENCE

- Haven Technologies** New York, NY
Fullstack Engineer *June 2022 - August 2023*
 - Pitched, led, and developed new features, bridging client expectations with custom product functionality.
 - Converted legacy code into a modular, SaaS-based architecture, improving codebase maintenance.
 - Eliminated all frontend business logic by rerouting data through NgRX state management.
 - Adopted test-driven development, reducing post-deployment issues and increasing sprint efficiency.
- Allvue Systems** New York, NY
Application Engineer, Operations *July 2020 - May 2022*
 - Resolved errors in SQL procs, XML data, and XSLT configs with XPath and SQL debugging queries.
 - Designed scripts to resolve trade and B2B data inconsistencies in client production environments.
 - Improved ticket prioritization process by implementing Salesforce database searching functionality.

PROJECTS

- FindMyForecast (findmyforecast.vercel.app)** Haledon, NJ
Angular, Express, Node.js, MongoDB, RxJS, Google-Auth-Library *September 2023*
 - Developed a web app for pinpointing favorable weather intersections based on user-defined preferences.
 - Implemented Leaflet.js and caching to seamlessly render dynamic maps from OpenMeteo API data.
 - Integrated Google Sign-In and authentication, enabling users to save weather preferences in MongoDB.
 - Attracted an active user base of 20 individuals, demonstrating the app's utility and ease of use.
- ExerciseShare (exercise-share.vercel.app)** Haledon, NJ
React, Redux, Express, MongoDB, Node.js, Material UI, JSON Web Token (JWT) *March 2022*
 - Built and maintaining a fullstack exercise sharing website with over 15 current users.
 - Utilized Redux to manage state between server and client for creating, editing, and commenting on posts.
 - Implemented JSON Web Token Auth and Google OAuth 2.0 for secure user sign-in.
 - Created search and recommendation system to both manually and automatically curate posts for users.
 - Setup automatic production deployment through Vercel and backend hosting with Heroku.

TECHNICAL SKILLS

Languages

TypeScript, JavaScript, Python, SQL

Frameworks & Libraries

Angular, React, Express, Node.js, HTML, CSS

Tools

Webstorm, VSCode, Git, Docker, Kubernetes

Databases

MongoDB, PostgreSQL