

# Rae Hebron

## Database Coordinator & Software Engineer

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### Languages, Frameworks, and Skills

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- **Languages:** JavaScript, HTML5, CSS3, Node.js, Python, Ruby
- **Frameworks:** React.js, Express.js
- **Other:** SQL, Postgres, MongoDB, Render, Git, Github, Mongoose, Heroku, EJS Templating
- **Certifications:** StackSkills, Blackbaud University

*Microsoft Excel: Advanced Formulas & Functions*

**October 2019**

*Analyzing and Visualizing Data with Microsoft Excel*

**November 2019**

*Microsoft Excel: Data Analysis with Excel Pivot Tables*

**December 2019**

*Professional Exam 2020/ Raiser's Edge*

**August 2020**

### Experience

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#### Database Coordinator Providence Public Library

**April 2019 - Current**  
**April 2020 - February 2023**

- Build complex relational data schemas to standardize data across 15,000 records.
- Lead the investigation to discover and resolve the hard-to-find defects and manage them until closure.
- Analyze, report, and develop new software workflows to streamline processes.
- Assess the needs and preferences of the customer and outcome to prepare training resources, report data analysis, and present features of our services and products.
- Implement reporting automation to reduce employee workload and mitigate human error significantly.

#### Boys & Girls Club of Pawtucket

**April 2019 - April 2020**

- Direct major grant application for \$200,000 from The New York Life Foundation and collaboratively construct a measurement plan for outcome reporting.
- Provide training and consultation about the development database and data integrity to Board Members and staff to improve internal process efficiency.
- Refine and strengthen data analysis of outcome reporting through data visualization and Microsoft Excel Pivot Tables to provide business recommendations to stakeholders.

#### Coordinator College Advising Corps at Brown University

**April 2019 - August 2019**  
**April 2019 - August 2019**

- Create and execute a month-long training for new professionals as college advisors.
- Recruited and mentored college students at Brown University as they served as advisors to increase matriculation at several public schools in Rhode Island.

### Projects

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#### Buster Block - HTML5, CSS (Flexbox), JavaScript, Express.js, EJS templating, Mongoose, MongoDB, Render

**December 2022 - Current**

- Designed, developed, and deployed full-stack web application with RESTful service by Node.js and Express.js.
- Created one-to-one relationship with MongoDB model schemas and rendered the front-end with EJS templates.
- Authenticated requests implemented via session-based authentication, client-side cookie with secret, and bcrypt to hash password.
- Leveraged flexbox layout with minimal media queries to enable a responsive design, suitable for all screens.

#### Road Trip Buddy - HTML5, CSS, JavaScript, SCSS, Mongoose, MongoDB, React.js, Render

**January 2022 - Current**

- Built an ambitious application in a collaborative team of 4 developers to deploy in an agile, 2-week development sprint.
- Achieved a responsive front-end framework utilizing React to ensure proper rendering across devices and scalable UI components for future development.
- Monitored development as the Release Manager, including resolving merge conflicts, handling branches, and keeping the main branch safe.

- Set the team up for success by designing the Readmes for both the frontend and backend, and created the code blueprint for the backend in Express.js and Node.js.

**Animal Crossing Villager Index** - HTML5, CSS (Grid), JavaScript (DOM Manipulation, Node.js, Express.js, jQuery) **October 2022 – Current**

- Integrated a novel Animal Crossing API to allow users to search by name and similarities to other characters in the game.
- Rendered the frontend with HTML5, vanilla JavaScript, and jQuery through DOM Manipulation and CSS Grid.
- Devised a project plan consisting of user flows, wireframes, and user stories.
- Ongoing Development: Reimagine Villager Index as a responsive, full-stack application utilizing React.js and Express.js.

**Education**

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**General Assembly, Software Engineering Immersive** – Boston, MA **September 2022 - April 2023**

*Full-stack software engineering immersive student in an intensive, twelve-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.*

**University of Iowa** – Iowa City, IA **August 2012 - December 2016**

*Bachelor of Arts in English, Bachelor of Arts in Spanish*