# Matthew Volny

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**Technical**

| *Languages:* | *Libraries/Frameworks:* |
|---|---|
| JavaScript, HTML/CSS | Node.js, React, Redux, Bootstrap, jQuery |
| *Databases:* | *Tools:* |
| PostgreSQL, MongoDB | VS Code, Git, Github |

**Projects**

**React Crypto Dashboard, April 2022**  Live Site | GitHub Repo
- Interactive dashboard displaying up-to-the-minute prices, news, and charts for a user's cryptocurrency assets, and thousands of other coins. Site data is derived from public APIs, with animated charts made using either 'britecharts' or 'lightweight-charts'.

**React Exploration Game, March 2022**  Live Site | GitHub Repo
- Point-and-click game where players explore an expansive map, collecting items and solving puzzles. Images are made interactive using 'image-maps', navigation is accomplished with 'react-router', and a SQL database is used to save game-state.

**Express Chat App, Feb 2022**  Live Site | GitHub Repo
- Real-time chat application to schedule and have private conversation between two or more users. Socket connections are made using a node server and 'socket.io', while user data – including contacts and message histories – are stored in a noSQL database.

**Javascript Learning Site, Jan 2022**  Live Site | GitHub Repo
- Kids educational app for learning about Mars rover missions. Faux 3-D animated globe built using CSS, interactive map produced using NASA 'geoJSON' data and Javascript's 'canvas' API, and dynamic timeline made using data from the NASA Mars Rover API.

**Education**

**DigitalCrafts,** Atlanta, GA
Certificate, Web Development
**University of Georgia**, Athens, GA
PhD, Genetics
**State University of New York at Oswego**, Oswego, NY
BS, Biology

**Employment**

**Applied DNA Sciences,** Stony Brook, NY
Associate Scientist, October 2017 – July 2020
- *Experimental design, data collection and analysis, preparation of written reports/presentations, and project management.*

**University of Virginia,** Charlottesville, VA
Lecturer, *Introduction to Biology*, Biology Department, August 2015 – May 2016
- *Construction of learning materials, course management, teaching, and mentoring.*

**University of Georgia**, Athens, GA
Graduate Research Assistant, August 2009 – August 2016
- *Primary literature and technical documentation review, experimental design, data collection and analysis, technical report writing, teaching, and project management.*