

DANIEL BRADLEY

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[LinkedIn](#)

[Github](#)

[Portfolio](#)

Queens, NY

SKILLS

React, Redux, JavaScript, HTML, CSS, Ruby, Ruby on Rails, Mongoose, Node.js, Express.js, SQL, SQLite3, PostgreSQL, MongoDB, Webpack, jQuery, Git, Heroku, Python(Pandas, NumPy, SQLAlchemy, Flask, Sklearn, Matplotlib), MATLAB, Minitab, Maple, RStudio, Tableau, VBA, Excel.

PROJECTS

EcoPool (React, Redux, Javascript, MongoDB, Node.js, Express.js, Heroku, HTML, CSS)

[Live Site](#) | [Github](#)

EcoPool, an original MERN stack single-page app where users make events, chat with groups, or optimize travel and destinations.

- Implemented Mapbox Geolocation and Matrix API for geocoding events/users and optimizing routes, respectively.
- Built a unique visual experience where users can chat with and see geolocations of friends.
- Coordinated Github's version control system to break up features and effectively collaborate with three other colleagues as modular units while switching between frontend and backend.
- Incorporated Validator.js to validate controller inputs before saving in MongoDB to prevent incorporating malformed data.

Seed (React, Redux, Ruby on Rails, Javascript, PostgreSQL, Webpack, Heroku, HTML, CSS3)

[Live Site](#) | [Github](#)

Seed is a Full Stack Kickstarter clone where users can create startups and crowd-source seed funding.

- Instituted secure user authentication by salting and hashing passwords with Bcrypt.
- Employed CSS3 Flexbox for a responsive layout on mobile or desktop.
- Utilized mapStateToProps to pass slices of state from the redux store to components to avoid unnecessary AJAX queries while rendering features.

Node Dominance(Vanilla Javascript, HTML, CSS3, Webpack, paper.js)

[Live Site](#) | [Github](#)

This two-player puzzle game is a single-page app in pure Javascript.

- Created HTML Canvas with paper.js to dynamically render graphics that can connect with free drawn lines.
- Leveraged Javascript's asynchronicity to introduce collision detection with event handlers and listeners.
- Established CSS3 Flexbox for custom layouts for any screen size.

EXPERIENCE

Technician II

Medtronic, Jan 2016 - Aug 2017

- Authored VBA macros. One automatically compiled temperature logs and flagged events outside spec ranges. Another filled out weekly log forms, which amounted to saving two person-hours per week.
- Oversaw the manufacturing of monomers used in dissolvable sutures.
- Operated cracking, condensation, crystallization, distillation, and various reactions in semi-batch and batch reactors.
- Spearheaded a cloud-based schedule that could be accessed and edited offsite to ensure transparency and compliance.
- Worked upwards of 60hr weeks with on/off weekends.

Laboratory Technician

Henkel, Mar 2013 - Sep 2015

- Developed formulations for adhesives ranging from anaerobic, LED-Curable, and pressure-sensitive polymers.
- Devised new procedures and recorded test results, keeping meticulous notes.
- Formulated a dual-cure sealant which led to ~\$60,000 in new annual sales.

EDUCATION

App Academy - Immersive software development course with focus on Full Stack web development (Fall 2021)

Columbia University- Data Analytics course with focus on data harnessing and visualization (Summer 2020)

Tufts University - MS - Chemical Engineering (Spring 2019)

Graceland University - BS - Chemistry/Biology (Spring 2010)

AWARDS

Lean Six Sigma Black Belt - Tufts University Gordon Institute (Spring 2018)

Data Analytics- Data Analytics course completed from Columbia University (Summer 2020)

Eagle Scout - Boy Scouts of America (2006)