

# BRIAN MAY

(972) 567-2259

[brianmay2014@gmail.com](mailto:brianmay2014@gmail.com)

Los Angeles, CA

[PORTFOLIO](#)

[GITHUB](#)

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## SKILLS

React, Redux, Node.js, HTML, CSS, SQL, JavaScript, Express.js, Python, Flask, PostgreSQL, Git, Docker, Heroku, AWS

## PROJECTS

**GoodHikes** (JavaScript, Pug, Express, CSS, SQL)

[live](#) | [github](#)

*A full stack hike tracking platform inspired by GoodReads and AllTrails with a focus on improving design for a better user experience.*

- Launched the "My Hikes" / Collections feature to help users organize their hikes in different lists.
- Constructed the nav bar from scratch, created seed data, and hike description to give the website a more lived-in feel.
- Collaborated with a team of four engineers to create an advanced application in one week with various frameworks.

**SonicTonic** (React / Redux, Express)

[live](#) | [github](#)

*A full stack Soundcloud clone with a minimalist design, using React and Redux, with an Express back-end.*

- Built user input forms with clear error validations using the express-validator package to help users effectively handle inputs.
- Incorporated React H5 Audio Player NPM package for audio playback, and customized the design completely.
- Employed CSS3 gradients and selectors along with custom design for a clean and compelling application aesthetic.

**Debonairbnb** (React / Redux, Flask)

[live](#) | [github](#)

*A full stack Airbnb clone for exclusive estate rentals using React and Redux on the front-end with a Flask back-end.*

- Established the theme for the website. Created React components with reusability in mind, giving the app a consistent style.
- Constructed the front end of the main Estate page. Executed the back-end routes for the full CRUD feature of estates.
- Analyzed the react google maps raw code to draw approximate locations on maps to replicate Airbnb's location feature.
- Coordinated with a team of three engineers to create a fully-fledged and bug-free application in only one week.

**Riff Raff** (React / Redux, Flask)

[live](#) | [github](#)

*An online community for songwriters to collaborate, from an Instagram skeleton using React and Redux with a Flask back-end.*

- Administered an Amazon Web Service bucket to permit users to upload original material directly from their computer.
- Engineered components and styling for developer reusability, and to improve user experience.
- Robust troubleshooting, using robust error validation on the back-end to allow the application functioning perfectly.
- Utilized many-to-many database relationships for likes and followers, providing instantaneous feedback to users.

## EXPERIENCE

### Senior Engineer

*Samsung Austin Semiconductor*

Jul 2011 - May 2021

- Initiated an internal web app using Python and Flask to aggregate data collection to bring tools up, improving manufacturing capacity from a maximum of 2 days down to 30 minutes with no impact to product reliability.
- Aided in new advanced software development alongside HQ in Korea and site-wide software implementation. Ensured effective communication across training documents and modules for my department and the entire facility.
- Saved the company \$6 million yearly for one project alone, among the many cost savings and capacity increasing projects.
- Strong communication and interpersonal skills, led training for all new hires in the department on software.
- Worked across multiple departments constantly to develop a strong sense of teamwork, and took on leadership roles to bring projects to successful outcomes.

## EDUCATION

**Web Development - App Academy** | Summer 2022

**Master of Science - Biomedical Applications in Electrical Engineering.** - 3.9 GPA - *University of Texas at Dallas* | 2010 - 2011

**Bachelor of Science in Electrical Engineering** - 3.8 GPA - *University of Texas at Dallas* | 2006 - 2010

*Computer Science I* - Fall 2006

*Professional and Technical Communication* - Fall 2008