

# Brent Arimoto

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South San Francisco, CA

[Portfolio](#)

[Linkedin](#)

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## Skills

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React.js, Redux, Python, Flask, Javascript, Express, WebSockets, HTML5, CSS3, SQL, PostgreSQL, AWS, Heroku, Node.js, Sequelize, Docker, SQLAlchemy, Alembic, Japanese

## Projects

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### Log On

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

React, Redux, Python, Flask, WebSockets, PostgreSQL, AWS, Heroku

*Family-friendly social media site, where users can play fun games with and message other users.*

- Integrated WebSockets, establishing socket connections to send messages and game information, allowing users to chat or play games with each other in real time.
- Created a Game class of Connect Four that lets two users play a full game until a win, loss or tie.
- Implemented small algorithms to update necessary database values, based on game results, to automatically keep track of users' game statistics.

### Woof Woof

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

React, Redux, Python, Flask, WebSockets, PostgreSQL, AWS, Heroku

*Chat application that allows people to post messages to public channels or send private direct messages*

- Built a database with many to many relationships between users and channels that heavily decrease the necessary number of queries to allow for simpler and more efficient API calls.
- Developed a smooth, responsive site by designing a Redux store that fetches user messages and profile information, only when necessary, further boosting load times.
- Improved user experience by incorporating, in React, a modal based user profile that displays a user's information without needing to reload to another page.

### Songaku

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

React, Redux, Javascript, Express, PostgreSQL, AWS, Heroku

*An audio streaming website that allows users to post, stream, organize, and interact with music on its database.*

- To allow for easy-to-use music controls, designed a music player using React Player and React Slider that lets users see, pause, play and scroll through actively playing music.
- Utilizing AWS-SDK connected express backend with AWS S3 media storage allowing scalable collection of audio and visual media.
- Through the use of simple selections and buttons, streamlined user to music interaction by dispatching per music updates to the database and redux store.

## Experience

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**Mechanical Designer** | Nov 2018 – Jan 2021

Ayoob & Peery Plumbing Company

- Engineered efficient, and minimal cost first protection/plumbing systems for new and existing construction
- Revamped system design structure to increase per job productivity.
- Implemented fabrication models and blueprints that streamlined plumbing bidding and prefabrication.

## Education

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**App Academy** | Jan 2021 – June 2021

Immersive software development course with focus on full stack web development

**The George Washington University** | Aug 2014 – Aug 2018 | Washington, DC

School of Engineering & Applied Science, BS of Mechanical Engineering