

# Ki Woo Kim

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## Skills

React.js, Redux, JavaScript, HTML5, CSS3, Express.js, Sequelize, SQL, SQLite3, PostgreSQL, Git, AWS, Render, Python, Flask, SQLAlchemy

## Projects

**Vintage Hunters** [live site](#) | [github](#)

HTML5, CSS, JavaScript, Express, Sequelize, SQLite3, PostgreSQL, React/Redux, Render

*An E-Commerce (clone of Reverb.com) web application that serves as a marketplace where users can buy or sell vintage music gears*

- Implemented React Router's nested routing advantages to aid buyers in browsing what they are looking for by categories smoothly without re-rendering the whole page
- Implemented AWS3 for image uploads to reduce server load and allow scalability as more users start selling on the site and adding more images of their product
- Utilized Redux architecture's unidirectional data flow with React for a predictable state and reliable DOM rendering
- Reduced server load and avoided N+1 queries by eager loading multiple associated tables(model) in a single query for 90% of the backend route with JavaScript ORM- Sequelize

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

HTML5, CSS, JavaScript, React/Redux, Python, Flask, SQLAlchemy, SQLite3, PostgreSQL, Render

*MidCupid is a web application that clones the existing dating website app OKCupid.*

- Curated database schema carefully, especially many join tables, to make use of convenient join query methods in Flask to send associated data to frontend
- Adhered to React and ES6 best practices to generate a true single-page reactive web app experience
- Utilized Redux architecture's unidirectional data flow with React for a predictable state and reliable DOM rendering
- Worked with three other colleagues from the design phase to the deployment phase for a week and pair programmed with agile workflow

## Experience

**Composer/Private Instructor** | January 2020 - July 2021

Freelance

- Maintained private teaching/composing studio
- Helped a small group of students in preparing for auditions for music universities
- Wrote over 50 tv cues for TV networks across the U.S with various music software
- Featured in - USA Network, PBS, NPR

## Education

**App Academy** | Spring 2023 | Remote

Immersive software development course with a focus on full-stack web development

**Berklee College of Music** | Summer 2019 | Boston, MA

**Bachelor of Music**

Studied Jazz Composition and Saxophone

Worked as a recording engineer for Jazz Composition Ensemble(2017)