KATARINA YANG
Software Engineer

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SKILLS

- Proficient: JavaScript, Node.js, Express, Sequelize, PostgreSQL, React, Redux, CSS, HTML, Git, GitHub.
- Languages: Mandarin Chinese, English.

- Familiar: Twitter API, Google Cloud Natural Language API, Webpack, SQL, Heroku, Google OAuth, Amazon OAuth, Ant Design, Bootstrap, Mocha, Chai, Jasmine, Travis CI.

PROJECTS

05/2021 **TweeterMeter | Solo Developer**
Heroku | GitHub
Web application enabling users to gauge sentiment of Twitter users through machine learning.
- Programmed a web app to assess the emotion and magnitude of a Twitter user's tweets.
- Incorporated two third-party APIs, Twitter API and Google Cloud Natural Language API, to read and analyze tweets.
- Tech stack: JavaScript, Twitter API, Google Cloud Natural Language API, Express, React, Redux, CSS, Heroku.

02/2021 **MyTab | Fullstack Developer**
Heroku | GitHub | Demo
Progressive web application allowing users to split bills and track shared expenses.
- Developed a frontend and backend that lets users create, read, update, and delete groups.
- Transformed web app into a progressive web app to cater to web and mobile users.
- Tech stack: JavaScript, Express, Sequelize, PostgreSQL, React, Redux, Ant Design, Amazon OAuth, Currency.js, Heroku.

01/2021 **Virtual Realty | Fullstack Developer**
Heroku | GitHub
E-commerce real estate web application allowing customers to browse getaway homes.
- Built the cart and orders frontend, backend, and database models so users can checkout, as well as view their private cart contents and real estate portfolio.
- Styled the website with CSS for a modern aesthetic and responsive design.
- Tech stack: JavaScript, Express, Sequelize, PostgreSQL, React, Redux, CSS, Heroku.

EXPERIENCE

02/2021 – 05/2021 **Software Engineering Teaching Fellow**
The Grace Hopper Program at Fullstack Academy
- Taught 30+ adult students computer science fundamentals, NERD stack (Node.js, Express, React/Redux, and database with PostgreSQL), pair programming, and debugging techniques.
- Led 4 teams of 16 students as an agile project manager and co-conducted code reviews.
- Served as a technical mentor for 7 students resulting in a 100% graduation rate.

06/2019 – 09/2020 **Research Assistant**
NORC at the University of Chicago, Bethesda, MD
- Supported 10 – 15 senior staff through the project development process by coding qualitative and quantitative data, conducting data analysis, and developing reports based on analysis.
- Provided project management assistance across projects evaluating organizational climate and college mentoring programs for marginalized communities.

EDUCATION

02/2021 **Certificate in Fullstack Web Development**
The Grace Hopper Program at Fullstack Academy
05/2019 **Bachelor of Arts, Sociology, Magna Cum Laude**
University of Maryland, College Park