KRISTA STRUCKE
Software Engineer

(609) 410-7928   developerkrista@gmail.com   **PORTFOLIO**   **GITHUB**   **LINKEDIN**

SKILLS

React, Redux, Javascript, Node.js, Python, HTML, CSS, SQL, SQLAlchemy, Flask, VSCode, Docker, Express.js, Git, AWS

PROJECTS

Note Pile   (Built with ReactJS, Redux, Python, Flask, SQLAlchemy, Alembic, CSS3, Heroku)   live | github
A note-taking app where users can save and organize all kinds of text data, built with React, Node, JSX, Python & Flask.
- Designed and built the entire database schema, all RESTful API routes, frontend routes, and functionality from scratch
- Utilized state management of Redux to directly manage data for long notes and submissions for the user
- Wielded React's local state methods to dynamically render different pages of notebooks for quick load speed

Wecord   (Built with ReactJS, Redux, Python, Flask, SQLAlchemy, Alembic, CSS3, SocketIO, Heroku)   live | github
A chat app that utilizes web sockets to communicate instantly with your friends, built using React, Node, Python & Flask.
- Fostered real-time conversations between users with SocketIO's low latency bi-directional communication
- Managed the SCRUM kanban for our group and worked with my teammates to build this app in 7 days
- Optimized the implemented features by discovering a more efficient way to handle conversations and user chat data by changing the structure of our database schema

Nerdbrite   (Built with ReactJS, Redux, Nodejs, Expressjs, Sequelize, PostgreSQL, CSS3, Heroku, AWS)   live | github
An event site where users can create, view, and manage different fun nerdy events, built using React, Node, & Express.
- Employed Express on the backend for extensive custom error validations and timezone patches for Heroku deployment
- Produced efficient and well-rounded shared user experience by implementing CRUD best practices with events & tickets
- Implemented Google Maps API and address autocomplete to improve user experience with Google Cloud Console

EXPERIENCE

Full Stack Developer (Contract)
Fifth Tribe   November 2022 - December 2022
- Increased team's productivity by reducing project build time in GitLab CI from 45 minutes to 7 minutes via parallelization
- Kept code up to date by updating deprecated code in their NPM dependencies and .yaml files
- Worked on automating the versioning process to update and patch the application in continuous integration

Convention Booth Manager
Songbird Ocarinas   July 2017 - March 2022
- Traveled the country to different anime/gaming conventions, set up the sales booths, liaised with convention staff to try to get the best locations for setup, scouted volunteers, sold the products, and performed for customers
- Worked in a hands-on, high-pressure environment which involved multiple deadlines to meet for convention logistics and sales goals

EDUCATION

Web Development - *App Academy | March - September 2022*
iOS App Development - *General Assembly | Summer 2015*
Japanese Language & Culture - *International Christian University, Tokyo, Japan | 2011 - 2012*
B.A. East Asian Studies - *Rutgers University, New Brunswick, NJ | 2009 - 2013*