

DAVID WOO

Software Engineer

Leonia, New Jersey

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SKILLS

Proficient: Javascript, Node.js, React.js, Redux, Git, Express, Sequelize, HTML5, CSS3

Knowledgeable: PostgreSQL, Mocha, Chai, Heroku, Webpack, Material-UI, Bootstrap

Familiar: Travis, Framer-Motion

EDUCATION

Fullstack Academy Coding Bootcamp - Flex Immersive | New York, NY

Apr 2022

Certificate in Software Engineering

Rutgers University | New Brunswick, NJ

May 2016

Bachelor of Science in Chemical Engineering

PROJECTS

UNPLGD | Group Project | github.com/daviddwoo/unplgd | graceshopper-unplgd.herokuapp.com

Fullstack e-commerce website for selling acoustic instruments, such as guitars, drums, and cellos

- Integrated guest and user shopping cart functionality for adding/deleting/editing items
- Implemented checkout process for cart items utilizing the Stripe API through checkout sessions
- Designed and built entire UX/UI for guest and user shopping experience using CSS and Material-UI
- **Technologies:** React, Redux, Express, Sequelize, Node.js, PostgreSQL, Stripe API

Podify | Group Project | github.com/daviddwoo/podify | podify-fsa.herokuapp.com

Fullstack application that allows users to play, search, and add timestamps/comments to their favorite podcasts. Implemented the following:

- Integration of Spotify OAuth and acquisition of user access token to retrieve data from Spotify API
- Redux store and action creators/thunks for asynchronous calls to backend server
- Single Podcast page with timestamp, commenting and like/dislike functionality
- **Technologies:** React, Redux, Express, Sequelize, Node.js, PostgreSQL, Spotify API

Conductor | Sole Developer | github.com/daviddwoo/conductor

Web-based game where character movement is controlled by hand motions detected in the webcam

- Utilized Teachable Machine to train image classification models based on TensorFlow.js technology
- Built game layout, player, platforms, and physics using the Phaser 3 framework
- **Technologies:** Teachable Machine, Phaser 3, TensorFlow.js, Bootstrap

WORK EXPERIENCE

Minaris Regenerative Medicine | Allendale, NJ

Mar 2019 – Present

Validation Specialist

- Worked as a liaison for multiple departments in providing technical knowledge on manufacturing equipment, creating user requirements specifications and performing gap analysis
- Developed IQ/OQ/PQ documents and final reports for over 20 cell therapy equipment qualification
- Assisted in computer system validation processes for Part 11 verification

Allergan | Branchburg, NJ

Feb 2017 – Feb 2019

Quality Engineer I

- Worked as the sole engineer and technical point of contact to manage over 15 laboratory equipment used in quality control processes
- Engaged in Engineering Change Controls for updating SOPs and validation documentation