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
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

TECHNICAL PROJECTS
UNPLGD | *Developer* | 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
- **Technologies:** React, Redux, Express, Sequelize, Node.js, PostgreSQL, Stripe API

Podify | *Developer* | 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

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 to qualify over 15 laboratory equipment used in quality control processes
- Engaged in Engineering Change Controls for updating SOPs and validation documentation