Nick Pietrow

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SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Rails, MongoDB, Node.js, Express.js, jQuery, Python, Java, MySQL, SQLite3, PostgreSQL, AWS S3, Babel, Webpack, npm, jQuery, Git, Heroku

PROJECTS

The Verve   Live Site | Github

Full-stack clone of an e-commerce site using: Rails, PostgreSQL, JavaScript, React/Redux, S3, Jbuilder, HTML5, CSS3
- Designed a scalable database schema using a joins table for product categories to easily add new categories in the future and allow for optimized searching and filtering of products
- Connected AWS S3 to the Ruby on Rails back-end using Active Storage to create associations between products and related images for easy querying and scalability of image services
- Utilized local storage to store the state of the user's cart in the browser and persist it across a page refresh
- Validated user data through front-end and back-end authentication measures, allowing users to only vote on reviews and leave their own feedback when logged in

Hoppers   Live Site | GitHub

Event planning social media site using: Mongo, Express, React/Redux, Node, Google Maps API, HTML5, CSS3
- Created documentation to coordinate system design and organized standup meetings between 3 other team members during a 5 day sprint to complete the project
- Harnessed the unidirectional state management of Redux along with thunk middlewares to simplify the AJAX requests used to fetch data for predictable state and DOM rendering
- Implemented the CSS design, effects, and animations for each of the React components in the site for a smooth and seamless user experience

Filter.io   Live Site | GitHub

Photobooth face filter application using: JavaScript, MediaPipe FaceMesh API, jQuery, Canvas, HTML, Sass
- Integrated a webcam video stream with the MediaPipe FaceMesh library to track facial landmark data points
- Created JavaScript functions to calculate the position, scale, and rotation of a filter to accurately display it on top of the user's face by mapping it onto a canvas element with the appropriate adjustments
- Employed a system of Javascript DOM event listeners to handle button inputs such as, toggling the webcam, taking a picture, or changing the the callback function used by the FaceMesh object to apply face filters

EXPERIENCE

Senior Tax Consultant

True Partners Consulting, Jul 2019 - Dec 2021
- Saved more than 750 consultant hours per year by designing, creating, and testing automated data analysis workflows using Alteryx and VBA
- Interviewed Directors, Managers, and Consultants to identify target areas for automation and gather user feedback on ways the workflows could be improved
- Recognized by management and appointed to the *Center of Excellence* committee to lead and advise other consultants on how to build more automation tools
- Founded Alteryx training session program to teach 100+ employees how Alteryx can be used within the firm
- Analyzed unclaimed property tax compliance data for companies like Morgan Stanley and Netflix, and filed reports valued as high as $5M

Accounting Intern

RingCentral, May 2018 - Aug 2018
- Reconciled monthly tax return amounts for 13 international subsidiary companies to resolve a foreign audit
- Created a workflow with Python and VBA to consolidate reconciliation files and populate a dashboard for the accounting team on a monthly basis

EDUCATION

App Academy, Dec 2021
- Demanding and immersive software development course with focus on full stack web development

University of Southern California, May 2019
- BS - Business Administration, Minor - Computer Science
- Relevant Coursework - Discrete Methods in Computer Science, Data Structures and Object Oriented Design, Principles of Software Development, Software Engineering, Robotics, Creating Your High-Tech Startup