

# 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, jQuery, Git, Heroku

## 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

## 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 easy searching and filtering of products
- Utilized local storage to persist the state of a user's cart across a page refresh
- Connected AWS S3 to the Rails back-end using Active Storage to create associations between products and related images for easy querying
- Developed shopping cart and search features with CSS animations for an immersive user experience

### 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 feature development between 3 other team members during a 4 day project sprint
- Refactored the Redux state shape and reducer functions to minimize the number of AJAX requests needed from the RESTful server API endpoints
- 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
- Engineered a system of JavaScript event listeners that change the the drawing callback function used by the FaceMesh object every time a new filter is selected

## 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
- Created a workflow with Python and VBA to consolidate monthly reconciliation files and populate a dashboard for the accounting team
- Researched tax forms required to file VAT returns to resolve a foreign audit