NICHOLAS**WERNER**

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SKILLS   Ruby, Rails, JavaScript, React, Redux, HTML, CSS, Canvas, jQuery, SQL, git, TDD, AWS, Heroku, Leadership, Management, Graphic Design, Google Adwords, Google Analytics

PROJECTS

Handmade   (Postgresql, Rails, React, Redux, HTML, CSS, AWS) | *Sole Developer*   live | github
A single-page Etsy clone where users can buy and sell products
- Implemented a dynamic product edit form that previews newly uploaded image files as well as any Rails Blob images that have been previously stored with Amazon Web Services S3. Filtered the mixed data types in the backend controller upon submit to allow appending images successfully while displaying previously saved images.
- Increased scalability by storing product images on Amazon Web Services Cloud Server, keeping the local server lightweight and responsive.
- Ensured frontend and backend user authentication to maintain user autonomy of their listed products and shopping cart, privatizing users' carts, orders, and personal information.

Mass   (JavaScript, Canvas) | *Sole Developer*   live | github
Agar.io game clone where its eat or be eaten!
- Configured a camera object that tracks and focuses on the player as they navigate a playfield larger than the display.
- Delegated animation to the camera object, significantly reducing intensive logic calculations on portions of the playfield unseen by the player.
- Developed computer players that make real-time decisions with information from their environment.
- Utilized the player's state to trigger DOM manipulation of the start, pause, and game over modals.

EXPERIENCE

Owner, CEO
Game Room City   Jan 2015 - Dec 2018
- Created custom online interfaces with HTML, CSS, and Liquid.
- Improved ad spend conversion rates from 0.018% to approximately 2.5% through careful monitoring of Google Analytics and Google Adwords campaigns.
- Increased online market share from 1.8% to 32% over three years through creating a company brand of highest quality, customer service, and best-priced market option combined with aggressive marketing campaigns and market expansion.
- Hired, trained, and managed five employees in warehousing, payroll, administration, and sales.
- Generated healthy wholesale, retail, and business to business revenue streams through multiple marketing channels.

EDUCATION

Web Development - *App Academy (Winter 2018 - 2019)*
B.S. Environmental Science and Management - *University of California, Davis 2014*