Theo Obbard

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SKILLS

Front-end: JavaScript, React, Redux, HTML5, CSS3, Sass, JQuery, Canvas, Adobe Creative Suite, Figma
Back-end: Node.js, Ruby, Ruby on Rails, RSpec, SQL, Python, MongoDB, PostgreSQL, RESTful APIs, Express.js, SQLite

PROJECTS

Facebook Clone   Live Site | Github
Pixel perfect and fully functional replica of Facebook.

- Designed polymorphic associations to handle likes on comments or posts which minimized database storage. This minimized backend complexity, n + 1 queries, and made it a scalable application.
- Built out 16 React components and Redux cycles to persist data such as likes count, comments, and friend requests across multiple components.
- Engineered reusable react components so that the same component could be used on different pages to perform various tasks, (eg. Posting on your own page, a friends page, or the newsfeed).

FUPS (For User Progress)   Live Site | Github
Web app that utilizes Google AI to give users feedback on how they can improve their lives.

- Incorporated the Google Natural Language API give each post an overall score, as well as parsing keywords out of each post and storing them in MongoDB to retrieve later.
- Spearheaded data visualization and used the Chartist library with Node.js to show users graphs and charts with data about their posts and happiness.
- Designed the UI/UX for the entire site using Figma and conceptualized an anonymous posts page.

Star Wars Shooter Game   Live Site | Github
A first person shooter game where you destroy Tie Fighters before they destroy you.

- Developed an object oriented design to simplify easy introduction of new enemy ships into the game.
- Created a Sound class which could take any sound file as an object. This allowed me to synchronize different sounds with different actions (shooting, explosions, flying, getting shot at).

EXPERIENCE

Administrator/Manager - First employee
Dartmouth Applied Learning Initiative (DALI) Lab, Sept 2015 - July 2018

- Wore all hats, from product design to operations.
- Mentored ~50 students per quarter and took ownership of building projects which we couldn't fit into the students curriculum.
- Facilitated valuable relationships with partners (including Facebook, Google, Amazon, Apple) and hosted weekly workshops with recruiters.

Freelance Web Designer
June 2016 - Oct 2018

- Worked with business owners to design their websites, marketing campaigns, brand identity, and logos (using Adobe Photoshop, Illustrator, and Premier Pro).
- Built the website and logo for the Canaan Motor Club when they opened. They are now Subarus official Northeast test track.
- Designed website and brand image for food truck (Phnom Penh Sandwich Station) and worked with them as they scaled up to a multiple location restaurant chain.

EDUCATION

App Academy
- Rigorous 1000-hour software development course with <3% acceptance rate
- Full-stack web development: Rails, SQL, JS, React, TDD, algorithms, design patterns, and best practices.

Dartmouth College - *N/A - Computer Science Courses*
- Specialized coursework (Intro to programming, Topics in digital arts, TA'd Design thinking)

University of Hartford - *Associated - Liberal Arts*
- Dean's List