

# ADRIAN HORNING

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## SKILLS

JavaScript, React.js, Ruby on Rails, Redux, SQL, Git, HTML5, CSS3, PostgreSQL

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## WORK SAMPLES

### Vinyasa

[Live Site](#) | [Github](#)

*React.js, Redux, Rails, Ruby, JavaScript, Webpack, PostgreSQL*

- Single page project management web application (inspired by Asana) where users can create tasks and projects
- Hand rolled user authentication using BCrypt and includes secure routing with Rails Controllers
- Utilized Rails Active Record associations to eliminate unnecessary tables and columns in the database
- Designed RESTful API to fetch data from the backend, which supports CRUD operations for tasks
- Leveraged React lifecycle methods and Redux architecture to make AJAX calls on demand
- Used JBuilder to limit AJAX calls by including data from the Active Record associations and caching the data

### Asteroids

[Live Site](#) | [Github](#)

*Vanilla JavaScript, HTML, HTML Canvas*

- Recreation of the classic arcade game using vanilla JavaScript, HTML, and HTML Canvas
- Designed with Object Oriented Programming principles and prototypal inheritance to keep code DRY
- Used W. Randolph Franklin's Ray Casting algorithm to detect collisions among objects on the screen
- Implemented trigonometric functions to calculate velocity/rotation of ship and asteroids to simulate real-world physics

### Roommez

[Live Site](#) | [Github](#)

*MongoDB, Express.js, Node.js, React.js*

- Web application that makes finding roommates easier with matching based off interests and anonymous reviews
  - Worked with a team of 4 to plan and implement in 10 days while learning new backend/database (Express.js, Node.js, MongoDB)
  - Supports Facebook OAuth, which provides seamless login and prevents users to have multiple accounts
  - Structured Node/Express backend to follow the MVC framework and engineered RESTful API
  - Designed the site, which consists of a modern minimalist design, which provides an intuitive user experience
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## EXPERIENCE

### Human Resources Intern

June 2015 - Sept 2015

*ON Semiconductor*

- Automated new-hire processes, including new hire packets, training plans for new hires, and emails to managers
- Saved the company \$10,000+ by utilizing SharePoint 2013 to make 5 frequently used forms available electronically, resulting in streamlined and automated approval workflows

### Human Resources Intern

Jan 2015 - May 2015

*C-A-L Ranch Stores*

- Designed and developed new-manager training program, effectively training 100+ managers
  - Created training materials on 50+ topics including HR, IT, Purchasing, Operations, Accounting, and Marketing
  - Developed and organized Standard Operating Procedure manual for Store Operations
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## EDUCATION

### App Academy

March 2017

1000+ hour software development course with <3% acceptance rate

### Brigham Young University - Idaho

December 2016

*BS - Industrial Organizational Psychology*