

# JASON SHOEMAKER

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SF

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## SKILLS

JavaScript, Java, Ruby, Rails, React, Redux, Express, Node.js, SQL, HTML5, CSS3, Git

## PROJECTS

**The Picard Maneuver - A tactical starship combat game** | (*JavaScript, Canvas*)

[live](#) | [github](#)

- Used Object Oriented Programming and inheritance to make the code dry, polymorphic, and scalable as new features are added.
- Utilized trigonometric functions such as `Math.atan` and `Math.PI` to find the angles and rotation of objects.
- Stored keyboard events in an object which is checked every few frames so that ship can fire while turning.
- Added `requestAnimationFrame()` to improve user experience by making game animations smoother.

**Multiple-player Go Group Project** | (*React/Redux, Express, Axios, MongoDB, Node, Websockets*)

[live](#) | [github](#)

- Implemented a recursive dfs algorithm to build groups of connected game pieces to accomplish capture logic.
- Built a game server where multiple players can connect, play games of Go and chat, passing information through websockets to synchronize.
- Designed the Axios calls and backend routes for game data to be stored in the Mongo database.

**Fullstack TaskRabbit Clone** | (*React/Redux, Rails 5, Ajax, Postgres, AWS*)

[live](#) | [github](#)

- Utilized React frontend to implement a single-page app to improve user experience by making the loading of multiple pages unnecessary.
- Created a user authentication system utilizing BCrypt to protect user information by storing salted and hashed password digests.
- Designed a CRUD (Create, Read, Update, and Destroy) system for users to create and add tasks to the database.

## EDUCATION

AppAcademy - Graduated from intensive full-stack coding bootcamp with <3% acceptance rate, August 2019

Eastern Michigan University - BS Computer Science, summa cum laude, April 2010

## EXPERIENCE

**Personal Time**

2017 - 2019

- Took time for myself and to help my elderly aunt recover from multiple hip replacement surgeries

**Office Manager**

*Emerson's Bar Review*

2012 - 2017

- Updated html and css and dealt with cyber-attacks on website.
- Helped with scheduling and payment issues for hundreds of students who passed the California Bar.

**General Merchandise Receiving Manager (2003-2011) and Assistant Supplies Manager (2001-2003)**

2001 - 2011

*Nebraska Book Company (Ulrich's Bookstore)*

- Used inventory and POS systems to coordinate reception of school supplies and insignia merchandise for multiple stores.
- Trained and managed staff in customer service and inventory reception and distribution..