MATTHEW MOE

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SKILLS

Front-End	Back End	Source Control	Frameworks	Ui/Ux
JavaScript	Ruby	Git	React.js / Redux	WireFraming
CSS3	Java	SCRUM	Ruby on Rails	Adobe XD
HTML	PostGreSQL		Bootstrap	
	AWS S3			

PROJECTS

Cosmic Snaps (JavaScript, HTML, CSS, React.js, Redux, PostgreSQL, Ruby, Rails)   Live Site | Github
A space-themed clone of 500px, an Image Hosting Site.

- Incorporated Amazon Web Services and Active Storage to implement CRUD functions allowing users to have profile background images, avatars, and profile images
- Enforced credentialed access to private user data by using User Authentication to store a unique id for each image
- Integrated React/Redux components with asynchronous requests to update the site dynamically

TypeDraw (MongoDB, Express, React/ React Native, Node)   Live Site | Github | Marvel (Prototype)
Multi-platform mobile and web application for real-time collaboration on a digital whiteboard

- Ensured consistent client side behavior across platforms by incorporating redux for all state management
- Established simultaneous multi platform views for iOS and web browsers by using the React Native framework
- Generated iOS screen navigation between scenes through use of React Natives' navigation components for iOS

Shakey Snakey (JavaScript, CSS, HTML5 Canvas) | Github
Implementation of classic Snake game with extra features

- Leveraged JavaScript's' object-oriented features such as prototypal inheritance and polymorphism to allow the snake to respond differently to each object
- Employed use of object collision by keeping track of positions on the 2D plane of objects allowing the snake to eat an object and grow
- Utilized JavaScript to manipulate the DOM and Canvas elements to create an interactive game environment

EXPERIENCE

Part Time Research Engineer
Knox College IL, Jul 2016 - Sept 2016

- Developed a Logo platform enabling students to build 3D structures with their code in a Minecraft server
- Issued a user-friendly guide for Windows, and Mac operating systems, for a quick and clean installation of the developed mod.
- Collaborated with another intern and researcher to complete features such as running a Minecraft server, creating scripts, and destroying unwanted student built structures

Summer Intern
Computer Integrated Manufacturing Co., Ltd.(CIMCO), Jun 2014 - Sept 2014

- Assisted in conversion of over 50 standardized reports from Crystal Reports to Microsoft SSRS to improve user experience and better handling of Thai fonts
- Provided bilingual (Thai and English) administrative support for employees during internal meetings with client companies in Thailand
- Supported company employee in managing production work orders, inventory, and scheduling, using the company's proprietary Computerized Maintenance Management System

EDUCATION

App Academy - 1000-hour immersive full-stack web development intensive that teaches TDD, algorithms, OOP, coding style, REST, security, single-page apps, and web development best practices (Fall 2018)

Knox College IL- *BA - Computer Science* (Summer 2017)