Jun Xu

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Skills

JavaScript, Ruby, Node.js, React, Redux, Ruby on Rails, Apollo, GraphQL, MongoDB, Express, PostgreSQL, CSS, HTML, WebGL, AJAX, jQuery, Mongoose, Heroku, Docker, Webpack, AWS, RESTful API, Git

Projects

Magic Shape   Live Site | Github

JavaScript, CSS, HTML Canvas, WebGL, THREE.js, DOM, Git Pages

*A single page JavaScript-based **DOM manipulation** app rendering 3D objects on **HTML Canvas** in motion*

- Encapsulated model state into its own entity to allow for clear interface boundaries between rendering pipeline and business logic, thereby producing maintainable, modular, and extensible code
- Provided user with Control Panel to toggle 3D objects' properties, backed by **event handlers** that update internal model state
- Implemented lighting through setting intensity, immersive color, relative position to cast shadows on reference objects

Linkerest   Live Site | Github

JavaScript, React, Redux, Ruby on Rails, PostgreSQL, Node.js, CSS, AWS, Heroku

A social media website to share photos and links in trendy Tiling style

- Implemented app using **React, Redux, Ruby on Rails**, and **PostgreSQL** to handle relational data on crossed tables
- Stored image uploads on **AWS S3**, allowing app to scale on demand, and rendering photo previews at real-time
- Integrated **CSS transition, transform** and **content attributes** *making photo sharing an interactive and fun experience*

Art Valley   Live Site | Github

JavaScript, React.js, Apollo, GraphQL, Node.js, MongoDB, SCSS, AWS, YouTube APIs, Docker, Heroku

A website to showcase contemporary art and videos for artists based in San Francisco

- Utilized **Apollo-GraphQL** frameworks, making complex relational data more customized, configurable, and manageable
- Implemented **Axios** requests to store image uploads on **AWS S3**, and **MongoDB**, allowing app to scale gracefully
- Integrated **YouTube APIs** for video thumbnails preview with transparent text-labeled hover effect

Koala   Live Site | Github

JavaScript, React, Redux, MongoDB, Node.js, Express, Mongoose, Passport, Json Web Token, SCSS, Webpack, Docker, Heroku

A website for Q&As - allowing user to post or update a question, as well as upvote, downvote answers

- Adhered to best practices of **object oriented programming** to distribute slices of properties data among appropriate classes
- Created custom **MongoDB** query combining aggregation pipeline to facilitate gathering necessary data to display questions
- Leveraged **debugging** skills through integration testing and collaborating with fellow developers

Experience

Business Analyst | *Cognizant*   August 2016 – June 2017

- Utilized **Spotfire** for front-end **data visualization**, and **SQL** for back-end relational information
- Analyzed requirements for **Business Intelligence (BI) dashboards** applied in Human Resources Management, and Digital Marketing, and provided clients with **mockups of charts and diagrams** using **PowerPoint and Excel Spreadsheets**
- Defined requirements of **Performance Tracker Systems** to ensure data quality for Sales, Distributors, and Supply Chains

Product Manager | *Ping An Technology*   August 2015 – August 2016

- Responsible for product lifecycle from **requirements management** to **User Acceptance Testing**
- Defined functionalities for modular components of apps to allow many clients with differing requirements to mix and match features to meet their needs. Components could be selected via an internal **Content Management System web interface**
- Coordinated between clients, developers, and UI/UX designers to achieve on time deliverables

Product Manager | *Dilin Biotechnology*   March 2013 – August 2015

- Built **mockups** using **Axure RP** for app visualization, and better communication with developers
- Conducted **user survey** and **user behavior analysis** to achieve more precise requirements for apps
- Documented screen by screen development **specifications** for two medical apps' functionality and UI

Education

App Academy | *1000-hour immersive, rigorous coding school with an acceptance rate below 3%*   Dec 2019 | Seattle, WA
MBA | *City University of Macau*   March 2013 | Macau SAR
Business Administration | *Macau University of Science and Technology*   July 2010 | Macau SAR