

Projects

Zenterest**Single Page Web & Mobile Application**

React | Redux | Ruby on Rails | PostgreSQL | AWS

[Project](#) | [Github](#) | [Wiki](#)

- Pinterest inspired web application that allows users to create, organize and share content through personalized user boards.
- Implement AWS as a strategy to outsource images and heavy assets to streamline Heroku server connection.
- Prioritize app scalability by designing a flat PostgreSQL state shape, then implement joins-tables and many-to-many relationships within Rails backend models.
- Diagram and plan frontend & backend site flow to refine react component design.

PantryPal**Single Page Web & Mobile Application**

React/Redux | Node | Express | MongoDB

[Project](#) | [Github](#) | [Wiki](#)

- Allows a user to create a virtual pantry of ingredients they already have on hand, then sources and recommends all possible recipes.
- Ensure backend clarity & database flexibility by employing MongoDB's dynamic schemas and non-relational/NoSQL document data structure.
- Integrate Spoonacular Web API that feeds data from over 360,000 recipes and ingredients into PantryPal's search pool.

Onda**Digitally-Fabricated Parametric Installation**

JavaScript | 3ds Max | Grasshopper | Gcode

[Project](#) | [Press](#)

- Featured on the cover of Texas Architect Monthly and installed permanently at the University of Texas campus in Austin.
- Recode the assembly into manageable block segments with 180+ script-generated CNC sheet layouts to minimize material waste. Final wall dimensions: 20' l x 8' h x 6".
- Utilize 3D-printed models, Augmented Reality and laser space scans for representation in funding campaign.

BabelBuilder**Tower building simulation game**

JavaScript | Cannon.js

[Project](#) | [Play](#) | [Github](#)

- Integrate Cannon.js to implement physics for falling blocks and fog game mechanic to simulate atmosphere as tower grows.
- Implement code to gradually change hue value of tower segments as the game progresses.

Skills

React	<div></div>
Ruby Rails	<div></div>
JavaScript	<div></div>
Redux	<div></div>
SQL	<div></div>
MongoDB	<div></div>
Mongoose	<div></div>
Express	<div></div>
Node.js	<div></div>
HTML CSS	<div></div>

Experience

Wilson Associates2019 - **Associate Designer | Architect**

Top 5 Luxury Hospitality Firm in US

- Recognized by CEO for producing winning competition package for "Taikang Life Insurance Complex," resulting in multi-million dollar design contract.
- Created the design narrative, 3D models and 2D technical assets for a Park Hyatt luxury hotel in Changsha, China.
- Led production of successful presentation to Marriott Group Int., resulting in Wilson's addition to the company's preferred designer's list.

Pickard Chilton Architects2017 - **Architectural Intern**

Top Tech Design Firm | Uber Sky Tower | Google HQ

- Digitally modeled 3D-architectural assets for a 9 tower high-rise development in Houston, Texas.
- Utilized Unity engine & 3DsMax software to create virtual reality presentations allowing the client to simulate inhabiting 3D progress models of the project's towers.
- Produced G-Code for 3D printers to create intricate architectural models.


AppAcademy2021 - *San Francisco, California*

- Rigorous 1000+ hour software development program
- 3% acceptance rate
- Extensive daily pair programming

University of Texas, School of Architecture2018 - *Austin, Texas*

- 5-Year Bachelor Architecture - GPA 3.86 | 4.0
- Ranked 2nd in US for undergraduate architecture
- 65 students in a campus size of 55,000
- Distinguished College Scholar - class top 4%

Education

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