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 Spoontacular 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

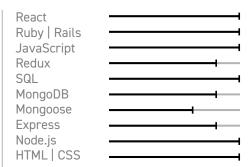
Tower building simulation game

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



Experience

Education

Wilson Associates

2019 - 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 Architects

2017 - 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.

AppAcademy

2021 - San Francisco, California

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

University of Texas, School of Architecture

2018 - 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%

site wendling.io email cole@wendling.io /colewendling /colewendling

