

CherryLAM



GitHub



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PROJECTS

FeastEasy [Ruby on Rails, ReactJS, Redux]

Live: <https://feasteasy.herokuapp.com/>

A single page web app platform to host and join private dinner parties

- Implemented customized validation logic in the back-end to prevent double-bookings and allow only future-bookings
- Adapted eager loading to fetch data with associated records to reduce the number of queries
- Optimized user experience by accounting for edge cases (eg. sharing links, page refresh)

Feed Lord Eatsalot [JavaScript, jQuery, EaselJs]

Live: <https://greenteamuimui.github.io/Feed-Lord-Eatsalot/>

A web-based animated game with fun graphics and engaging design

- Utilized Easeljs and HTML5 canvas elements to render interactivity and rich graphics by nesting display lists with compounded elements
- Implemented user interactivity with Keymaster.js library

KitchenFox (MongoDB, Express, React-Native, Node)

A mobile kitchen inventory management app using MERN stack

- Build database query logic to query recipes API to render recipes based on current inventory
- Implement barcode scanning capability in React-Native for items' UPC look-up to populate input form

SKILLS

Ruby	MongoDB	Ruby on Rails	Javascript	jQuery	Rspec
Node.js	SQL	React.js/Redux	Express	React-Native	R
git	PostgreSQL				

WORK HISTORY

R&D Food Scientist

HAMPTON CREEK | San Francisco, CA

02/2016 –
03/2017

- Created model systems to generate data for the machine learning training set to predict plant based proteins functionality
- Designed high-throughput experimental protocols to automate experiments resulting in a 50% time reduction
- Pioneered and developed scripts for robotic liquid-handlers to optimize experimental precision by 10%

Process Engineer

Haskell – Seiberling Associates | Beloit, WI

08/2015 –
02/2016

- Designed processing systems for General Mills' and performed design calculations for pumps compressors, pipings and mix tanks
- Oversaw and troubleshooted operational issues during commissioning using measurement tools and loggers

PUBLICATIONS

The Young's Modulus, Fracture Stress, and Fracture Strain of Gellan Hydrogels Filled with Whey Protein Microparticle

Journal of Food Science *Cherry W.Y. Lam, S.Ikeda*

2017

EDUCATION

APP ACADEMY | San Francisco, CA

06/2017 –
09/2017

- Rigorous full-stack software engineering curriculum with < 3% acceptance rate
- Algorithms, TDD, pair-programming, and efficient design

University of Wisconsin | Madison, WI

08/2007 –
05/2011

- Master of Science, Food Science (Dairy and Protein Chemistry)
- Institute of Food Technologists 2014 – (Research) Dairy Foods Division Finalist

University of Minnesota, College of Science and Technology | Twin Cities, MN

- Bachelor of Engineering, Chemical Engineering
- Bachelor of Science, Chemistry

Languages

Cantonese(Native): Spoken and Written
Mandarin(Native): Spoken and Written