

CherryLAM



GitHub



LinkedIn

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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)

Live: [Features Demo Video](#)

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	Agile	HTML	CSS	PostgreSQL	TDD

WORK HISTORY

R&D Food Scientist

HAMPTON CREEK | San Francisco, CA

- 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%

02/2016 –
04/2017

Process Engineer

Haskell – Seiberling Associates | Beloit, WI

- 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

08/2015 –
02/2016

PUBLICATION

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

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

06/2017 –
09/2017

University of Wisconsin | Madison, WI

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

01/2013 –
08/2015

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

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

08/2007 –
05/2011

LANGUAGES

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