

Michael D. Chilton

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PROJECTS

Yack (Rails, React, Redux)

Group messaging platform, built with Ruby on Rails and React

- Utilizes Action Cable WebSockets framework to allow users to post messages instantaneously
- Incorporates private direct messaging system for communication between individuals and small groups
- Implements Redux architecture for unidirectional data flow allowing for reliable application logic

Primordial Soup (JavaScript, jQuery)

An infinitely wrapped Conway's Game of Life simulation

- stub #1
- stub #2

Hayai (Ruby)

A lightweight Model-View-Controller framework built in Ruby

- stub #1
- stub #2

SKILLS

Ruby on Rails	React	Redux	CSS	RSpec	Java
Ruby	JavaScript	jQuery	SQL	HTML	Git

EDUCATION

Web Development – App Academy

Spring 2017

- Rigorous 1000-hour full stack web development course with <5% acceptance rate
- Teaches Ruby on Rails, React, SQL, TDD, Ruby, JS, algorithms, single-page apps, and programming best practices

University of Vermont (Burlington, VT)

January 2016

GPA: 3.37 / 4.0

Bachelor of Science in Microbiology with Minor in Japanese

Curriculum Highlights: Java, Python, Statistics, Calculus

Nanzan University (Nagoya, Japan)

June-December 2015

Studied Japanese Language abroad in Japan

WORK HISTORY

Crew Member, Trader Joe's (Newton, MA)

June 2016-December 2016

- Delivered positive customer experience by providing product information and assistance in locating items
- Stocked delivered product on shelves during night shift to ensure efficient store opening by morning crew

Intern, Tokyo National Hospital – Suzukawa Lab (Tokyo, Japan)

August 2015

- Worked in Suzukawa Lab investigating Tuberculosis development
- Analyzed macrophage development after exposure to certain cytokines for expression of certain receptors

Undergraduate Intern, University of Vermont-Wright Lab (Burlington, VT)

Fall 2013-November 2014

- Worked in Wright Lab investigating methanogenic Archaea in human gut
- Extracted DNA from stool samples for further analysis of gut biodiversity