Matthew Hung

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Technical Projects

Sprout

https://github.com/mbhung101/SproutFront

Multipurpose app which allows users to create and manage gardens and compare/analyze variables to maximize vegetable yield

- React frontend components with Materialize CSS
- Ruby on Rails / Postgres backend for data storage
- Custom API with JSON output
- Chart JS for visual statistics

Rats, Crime, Fire

https://rcf-client.herokuapp.com/

A data visualization app which renders Google Map location and statistics on NYC 311 sanitation complaints

- HTML with embedded Javascript frontend
- JQuery backend logic
- FusionCharts for data visualization
- RESTful API seeded Postgres database

React Chat

https://github.com/mbhung101/pwa-chat

App utilizing websockets that allows for instantly refreshing chatroom and integrated text message notifications

- React frontend components with Semantic UI CSS
- MVC Ruby on Rails backend for data storage
- Socket IO and Twilio integration

Technical Skills

Languages: Javascript, Ruby, HTML, CSS, SQL
Libraries/Frameworks: JQuery, Git, React, Redux, Rails, Sinatra, ChartJS
Databases: Postgres, SQLite

Employment History

Soriano Laboratory
Mt. Sinai Hospital, NY
Research Technician
Jul 2015 - Jul 2016

Conducted molecular biology research within a developmental biology laboratory. Assisted in conducting genetic experiments, maintained mouse colonies and bacterial/genetic/media stocks and managed laboratory equipment

Ruby & Goodrich-Blair Laboratories
University of Wisconsin-Madison
Aug 2012 - Jul 2014

Worked in bacteria symbiosis labs, performing molecular biology experiments. Maintained squid colonies, designed and researched experiment protocols utilizing contemporary studies as reference

Education

Flatiron School *Cohort of 2017*
Software Engineer Immersive Program

University of Wisconsin - Madison *Class of 2014*
BS - Medical Microbiology and Immunology