

Henry Nguyen

Software Developer

☎ 408-326-9007 | ✉ Henryhtnguyen@gmail.com | 🏠 Henryn.info | 🌐 Henry | 🌐 Henryhtnguyen

SKILLS

AJAX, CSS, Express, Git, Heroku, HTML5, JavaScript, jQuery, JSON, MongoDB, Node.js, NoSQL, Object Oriented Programming, Rails, React, RSpec, Redux, REST, Ruby, SQL

PROJECTS

EventsNow (JavaScript, Jbuilder, PostgreSQL, React, Redux, Ruby on Rails)

[Live Link](#)

A live web application that allows users to share their personal and business events with ticketing capabilities

- Incorporated a secure user authentication that utilizes a salt and hash features of BCrypt and bootstrapping user data
- Redesigned PostgreSQL database to incorporate MVC Polymorphic model associations that reduced data usage by 50%
- Leveraged Redux architecture's unidirectional dataflow with Jbuilder to create a normalized data state

Techtris (JavaScript, Canvas, HTML5, CSS)

[Live Link](#)

A remake of the classical Tetris that utilizes only vanilla JavaScript and Canvas to ensure maximum gameplay performance

- Generated an algorithm to continuously update and simulate a static tile as fluid animation through DOM event handlers
- Implemented a live grid matrix map that aided in collision detection and to be used for bonus score evaluator
- Created gameplay logic for fast drop feature that will asynchronously calculate the vertical collision and render its new position according to found collision

Yelp on Slack (MongoDB, Express.js, React, Node.js)

[Live Link](#)

A Slack application that generates an optimal list of top rated restaurants in an interactive poll format

- Parsed user's query filter in coordinate with Yelp's Fusion API request to selected restaurants based on bayesian ratings.
- Persisted channel access token and webhook url data to MongoDB using Mongoose ODM library to allow a secure authorization and personalization
- Streamlined fisher-yates shuffle algorithm to ensure unique responses when using identical query filters

EXPERIENCE

Field Installation Technician

Bloom Energy Inc., Construction and Installations, Sunnyvale, CA

Dec 2016 - Mar 2018

- Troubleshooted telemetry equipment and deciphered private back-end server logs to maintain constant communication
- Deployed operational commands to proprietary user interface software to ensure optimal quality

Lead Engineering Technician

Bloom Energy Inc., Remote Monitoring Control Center, Sunnyvale, CA

Jan 2015 - Jul 2015

- Pioneered a QuickBase app that streamlined and organized critical information by importance to improve productivity
- Improved fuel cell operations algorithms by analyzing system data using Excel Macros and AspenTech Process Explorer

Engineering Technician

Bloom Energy Inc., Remote Monitoring Control Center, Sunnyvale, CA

Apr 2011 - Dec 2014

- Spearheaded significant improvements to the SCADA network alarm system that resulted in faster system recovery times
- Aided in ORACLE database querying implementations that resulted in quicker field service ticket dispatches

EDUCATION

App Academy, San Francisco, CA

Graduated: Jul 2018

Web Development Course, San Francisco, CA

- A rigorous 1000-hour software development course with <3% acceptance rate
- Topics include: TDD, scalability, algorithms, OOP, coding style, REST, security, single-page apps, and programming best practices

San Jose State University, San Jose, CA

Graduated: May 2016

- Bachelor of Science, Chemical Engineering