Henry Nguyen

Software Developer, San Jose, CA

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SKILLS

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

PROJECTS

EventsNow (JavaScript, Jbuilder, PostgreSQL, React, Redux, Ruby on Rails)   GitHub | *Live Link*
A live web application that allows users to share their personal and business events with ticketing capabilities

• Utilized a PostgreSQL database and incorporated Active Record model associations to organize and reduce data usage by 50%
• Leveraged Redux architecture's unidirectional dataflow with Jbuilder to create a normalized data state
• Incorporated a secure user authentication that utilizes a salt and hash features of BCrypt and bootstrapping user data

Techtris (JavaScript, Canvas, HTML5, CSS)   GitHub | *Live Link*
A remake of the classical Tetris that utilizes only vanilla JavaScript and Canvas to ensure maximum gameplay performance

• Generated an algorithm to synchronously update a static Techtris Tile to simulate a fluid animation based on time and user input
• Implemented a live grid matrix map that aided in collision detection and multiple row completion for a bonus score evaluator
• Created gameplay logic for fast drop feature that will asynchronously calculate the vertical collision and render its new position

Yelp on Slack (MongoDB, Express.js, React, Node.js)   GitHub | *Live Link*
A Slack application that generates an optimal list of top rated restaurants in an interactive poll format

• Parsed user's query filter choices for Yelp's Fusion API to return quality restaurants options based on Bayesian ratings
• Persisted channel access token and webhook URL data to MongoDB using Mongoose ODM library upon app authorization
• Utilized the Fisher-Yates shuffle algorithm on selected restaurants to ensure unique options when using identical query filters

EXPERIENCE

Field Installation Tech Engineer

Bloom Energy Inc., Construction and Installations, Sunnyvale, CA   Dec 2016 - Mar 2018
• Troubleshooted telemetry equipment problems and deciphered private back-end server logs to maintain constant communication
• Deployed operational commands to proprietary user interface software to ensure optimal quality

Lead Operator & Product Support

Bloom Energy Inc., Remote Monitoring Control Center, Sunnyvale, CA   Jun 2013 - 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

Systems Engineer Intern

Bloom Energy Inc., Remote Monitoring Control Center, Sunnyvale, CA   Apr 2011 - Jun 2013
• 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
Specialities: 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