ARTEM KHARSHAN

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SKILLS

JavaScript
Ruby
Rails
Express
React.js
Redux
Vue.js
SQL
HTML
CSS
Git
C#
C++
MATLAB

EDUCATION

App Academy,
San Francisco
October 2017 - February 2018

Full Stack development: Ruby, JavaScript, Ruby on Rails, React/Redux

Diablo Valley College, Pleasant Hill
August 2010 - June 2015

Calculus, Physics, C++, Assembly, Matlab

PROJECTS

FlyaKite — *ROR, React, Redux, PostGreSQL*

[LIVE](#) | [GITHUB](#)

- Implemented a Ruby On Rails powered PostgreSQL backend with custom routes and SQL queries to power front end searching and sorting.
- Designed an account system with authentication and protected routes on the front and backend
- Integrated Cloudinary image hosting, Google Maps, and the Stripe Payment Gateway APIs

OnionUp —Vue js, *Devise, ROR, Tor, Socksify*

[LIVE](#) | [GITHUB](#)

- Utilized Ruby threads to send backend requests concurrently cutting wait times from nearly a minute to a few hundred milliseconds for pinging a list of sites on the Tor network.
- Designed a PostgreSQL database that stores thousands of items of data for every users' site and maintained within storage limits using Heroku scheduler and ROR tasks.
- Used Ruby's Socks Proxy implementation to route requests through a Tor network Node we established

Compression Visuals — *vanilla Javascript, HTML5*

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- Formulated a Quadtree data structure to hold images pixel data extracted using Hhttp://quadtree.artemkharshan.comTML5's canvas
- Recursively calculated the statistical variance of color in different regions of an image to then represent the image more compactly by drawing regions with less color variation with fewer pixels.
- Used Javascript Timeouts and some good old fashioned recursion to animate the process and allow the user to feed in parameters and click on nodes as the algorithm runs

EXPERIENCE

Skates on the Bay, Berkeley — Server
March 2016 - October 2017
- Dedicated teamwork and consistent high end service to hundreds of guests in 4-8 hour shifts.

Eddie's Liquors, Rockridge —Assistant Manager
February 2015 - March 2016
- Trained new hires, coordinated deliveries and payments, and set the schedule for a team of 7 employees