

# NGOC THI LY

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## SKILLS

React, Rails, JavaScript, Ruby, jQuery, Redux, TDD, HTML5, CSS3, PostgreSQL, Git, C++, MATLAB, Mathematica

## PROJECTS

**Proofs Line** (Ruby on Rails, JavaScript, React, Redux, CSS3, Webpack, PostgreSQL) [Live Site](#) | [Github](#)

*A question and answer forum for professional and enthusiast mathematicians, inspired by Stack Overflow*

- Implemented an user authorization for the allowance of signing up and logging in users
- Built the create, read, update, and delete (CRUD) actions for questions, answers, and likes to enhance users' experience
- Leveraged Rails polymorphic associations with answers on questions and likes on answers for DRY code

**huddleUp** (MongoDB, Express, React, Node, Javascript, CSS3) [Live Site](#) | [Github](#)

*A seamless single-page web application that allows users to host and sign up for sporting events with filters*

- Designed an user profile page that permit users to update their profile picture, username, location, biography, and sports
- Set up backend api with Node and Express that access Amazon Web Services (AWS) for uploading profile pictures
- Worked in partnership with talented software developers performing CSS styling, organizing, and debugging

**Love Quest** (JavaScript, HTML5, CSS3, Webpack) [Live Site](#) | [Github](#)

*An interactive adventure role-playing game displaying a top-down platform with the objective of the player to find love*

- Applied HTML5's Canvas to dynamically render 2D shapes and bitmap images with usage of CSS styling
- Employed Canvas matrix transformations to achieve a continuous moving background (scrolling movement)
- Constructed a communication network between the main character and other characters for interactions

## EXPERIENCE

**Langson Library - Irvine, California** *Student Assistant* September 2015 – June 2018

- Operated the library check-out desk in helping patrons with placement and pickups of holds, renewal, recalls, and searches
- Participated in the Google Digitization Project by performing searches of books, and creating documentations for shipping
- Managed the students' Gateway study center ensuring sufficient supplies and supervising building

**UC Irvine Department of Radiology - Irvine, California** *Student Researcher* September 2015 – December 2015

- 3-D image reconstruction and registration using MATLAB
- Learning and applying knowledge of vascular diseases to better the 3-D imaging process

## EDUCATION

**App Academy San Francisco, California** *Curriculum of Study in Full-Stack Web Development* February 2020 - May 2020

**University of California, Irvine** *Bachelor of Science in Mathematics and Bachelor of Arts in Psychology* Class 2018