# Zach Vary

207-318-8227 | zach.vary@gmail.com | github: zfv200 | personal site

Dedicated Full Stack Web Developer with a commitment to collaborative learning, education, development and production. Integrating experience in Javascript, React, and Ruby/Rails with a background in philosophy, I am happiest when working with a team of driven and creative developers committed to reaching new heights with software and web technology.

## TECHNICAL PROJECTS

**Ghostly Realty (work in progress!):**                     Github Front End | Github Back End
*The finest real estate app for spirits and spectres, allowing ghosts to find a new house to haunt since 2019!*
+ React/Redux Front End with Typescript, Auth/Sessions with JWT, advanced React features, and Jest/Enzyme tests
+ Implemented AWS S3 for cloud storage with an integrated custom IBM Watson Visual Recognition machine learning model
+ Personal Project used as a learning tool for TS, React updates, testing, docker/containers, security practices, and AWS

**Dream Collage:**                     Github Front End | Github Back End
*This diy photo editor intelligently analyzes and visualizes entries in your dream journal with interactive collages*
+ Created a front-end single-page user interface with React and Redux
+ Implemented a number of node libraries and third-party APIs to create an interactive user experience
+ Persisted data with a custom-built Rails API back-end

**Hoppington Village:**                     Github Repo | Demo
*Adopt and take care of your very own pet rabbit who needs rest, food, and new outfits!*
+ Set up a full rails api back-end with MVC structure and a relational database
+ Implemented a full user authentication/authorization protocol with JWT
+ Used custom css to style, structure, and animate a front-end single-page React interface

**Squirrel Survive!:**                     Github Front End | Github Back End
*A lone squirrel and his trusty bazooka must survive waves of attacking aliens using a range of strategies*
+ Used object-oriented vanilla JS to create a single-page game application
+ Interacted with the DOM dynamically with Javascript's native methods
+ Used asynchronous fetch requests to populate and persist user data.

## TECHNICAL SKILLS

Javascript | React | Redux | Ruby | Rails | TypeScript | AJAX | Bootstrap/Semantic | API usage | Relational Databases | Front End design | css

## EMPLOYMENT HISTORY

**Flatiron School,** New York, NY
Technical Coaching Fellow, *June 2018 - present*
+ Mastered Flatiron curriculum in order to effectively work one-on-one and in groups with students tackling complex problems, frameworks, projects, and algorithms.
+ Gave 1-2 hour-long in-depth lectures on technical topics in web development, programming, and back-end architecture
+ Designed and deployed new programs for the Flatiron curriculum

**St. Mazie's Bar & Supper Club,** Brooklyn, NY
Bartender, *June 2016 - February 2018*

**Stribling & Associates,** New York, NY
Listings Specialist, *July 2014 - June 2016*
+ Maintained listings on a real estate website, working with databases, internet archives, and various media to provide technical support and upkeep on several different websites.

## EDUCATION

**Flatiron School** - *2018*
*New York, NY*
+ Full Stack Web Development, Ruby on Rails and JavaScript/React immersive in-person program

**New York University -** *2013*
*New York, NY*
+ Graduated in May 2013, receiving a B.A. in Individualized Study with a focus on Philosophy and creative writing
+ Earned the NYU Founders' Day Award as a Senior for "outstanding scholarship"