Zach Haddad

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Projects

Trekmates (Ruby on Rails, React, Redux) Live | Github
Full-stack web application for endurance athletes inspired by Meetup
- ○ Utilizes single-page design to facilitate responsive navigation
- ○ Implemented authentication with Bcrypt password hashing
- ○ Ensures secured routing with Rails controller checks and react-router onEnter hooks
- ○ Features dynamic search on user input

InfiniteRPS (JavaScript, HTML5, CSS) Live | Github
Browser-based rhythm game with rock-paper-scissors logic
- ○ Draws game graphics on HTML Canvas and uses separate screen overlays as menus for bug-free rendering and intuitive game flow
- ○ Number of enemies and spawn frequency modulates as level increases

Walk With Me (React Native, Firebase) Github
Mobile iOS app that matches users for a safer walking experience
- ○ Provides quick and simple user signup with Facebook OAuth
- ○ Destination search and route setting via Google Maps and Places API
- ○ Seamless route matching implemented with Firebase Realtime Database

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Skills

Ruby, Rails, React, JavaScript, jQuery, React, Redux, SQL, CSS, HTML, Git

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Experience

Project Manager, Medical Scribe | Lehigh Valley Hospital | 10/2013-04/2016
- ○ Improved the quality and comprehensiveness of medical documentation in the ER and outpatient environments
- ○ Successfully trained over 30 new scribes and implemented the scribe program in various speciality offices throughout the Lehigh Valley Health network
- ○ Increased the number of patients seen per day by an average of 30% for client physicians by decreasing charting time

Research Associate | University of Pittsburgh | 04/2011-12/2012
- ○ Completed cytotoxicity study characterizing KV2.1 channels in CHO cells
- ○ Key responsibilities included cell culture, plasmid preparation, PCR

Education

App Academy | 11/2016 - 02/2017
- ○ Intensive 1000-hour full stack web development course with < 5% acceptance rate.
- ○ Rails, React, scalability, algorithms, data structures, single-page apps, and web development best practices

University of Pittsburgh | class of 2013
- ○ BS Neuroscience, BA German
- ○ 3.52 GPA, Magna Cum Laude, Phi Beta Kappa