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

Skills

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

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