Ian Hall

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EXPERIENCE

Software Engineer, ReferralExchange   February, 2017
- Build out new web application features through full-stack development and database changes
- Transition large pieces of application from static templates and jQuery to reusable React component
- Assist junior developers in learning and using our development environment and developing new features
- Write complex DDL and DML queries to update database structure and manipulate data
- Develop comprehensive unit and integration tests to validate and ensure functionality during development

SKILLS

JavaScript	React	Go	ElasticSearch	MongoDB
Ruby	Node	Java	Postgresql	MS SQL Server
Rails	Express	React Native	MySQL	HTML/CSS

EDUCATION

Colorado State University   July, 2016
Master of Computer Information Systems   GPA: 3.85
- **Coursework:** Web Application Technologies, Business Database Systems (MySQL, MS SQL Server), Object-Oriented Systems, IT Communications Infrastructure (Linux)

Dickinson College   May, 2012
Bachelor of Arts: Economics   GPA: 3.3, Major GPA: 3.5

PROJECTS

Trekko - React.js, Redux, Rails   Live | GitHub
Single page travel planning web application inspired by Tripping.com
- Google maps and Google places API to recommend and save destinations and places of interest
- Facebook OAuth for login and authentication

Pixelset - React.js, Redux, Rails   Live | GitHub
Single page photo-sharing web application inspired by pixieset.com
- Constructed RESTful back-end API using Rails to serve application and respond to asynchronous AJAX requests
- Architected full React and Redux structure for unidirectional data flow
- Integrated image hosting through Cloudinary API to allow dynamic image resizing, increase application speed, and limit server load
- Implemented additional React.js libraries, Slick and Masonry, to enhance picture presentation and improve user experience

Pippin - Ruby, Rack   GitHub
Web application development framework inspired by Rails
- The framework is built on top of Rack and includes all the necessary tools to create a secure, RESTful web application
- Object Relational Modeling that interacts with underlying RDBMS
- Router and controller bases classes for creating custom routes and controllers
- Middleware for serving static files and displaying exceptions