Andrew Alonis

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TECHNICAL SKILLS

Languages: JavaScript (ES6), HTML, CSS, Java, C++, PHP, C#, C, Prolog, Scheme
Libraries and frameworks: NodeJS, ExpressJS, React, AngularJS, jQuery, BackboneJS, React Router, Bootstrap
Databases and ORMs: MongoDB, Mongoose, MySQL, SQLite, Sequelize
Tools: Git, GitHub, Webpack, Mocha/Chai, Gulp, Grunt, ESLint, UML, SysML, Heroku, AWS

SOFTWARE ENGINEERING PROJECTS — andrewalonis.com

Automated Attendance, Software Engineer
Facial-recognition based automated attendance system for tracking daily arrivals
- Erected and refactored ReactJS front end to improve modularity and optimize for reuse and expandability
- Instituted protected routing with React Router to selectively render views based on authentication status
- Mitigated MySQL data conflicts by preventing submission of erroneous and incomplete form content
- Rendered data records dynamically with React Bootstrap Tables, enabling custom sorting and filtering
- Devised thorough client-side Enzyme testing to ensure project reliability, achieving 86% code coverage

Datashrink, Software Engineer
Tradeoff analysis tool for comparison of personality analyses of Twitter profile activity
- Integrated IBM's Watson Tradeoff Analytics to facilitate deductive comparison and selection of analyses
- Applied Twitter API to access profile activity and message history, post messages, and follow new users
- Automated development tasks using Grunt, Webpack and Travis CI to streamline development workflow
- Constructed performant back-end with NodeJS, ExpressJS, and MongoDB to maximize future scalability

An Amazing Race, Software Engineer
Create and race along routes with real-time map tracking and location detection
- Employed HTML5 Geolocation to access location for real-time group status tracking and route mapping
- Implemented Google Places API for most relevant results with smart location search and auto-completion
- Utilized Google Geometry API for accurate location verification and point to point distance comparison

Mother Road Brewing Dashboard, Software Engineer
Information sharing platform integrating multiple financial data sources for employee consumption
- Delivered financial data from Square API and VIP to provide up-to-date progress towards term sales goals
- Created a persistent messaging system with MongoDB to facilitate instant intra-company communication
- Crafted project goals by generating user stories, content plans, server architectures and mock wireframes

Live NBA Statistics, Software Engineer
National Basketball Association player and game statistics for individual teams delivered in real-time
- Retrieved professional basketball statistics from Pro Basketball API to deliver updates as games transpire
- Leveraged React components to display new statistical data dynamically as database source data updates

PROFESSIONAL EXPERIENCE

Restaurant Server, at Fat Olives, Coco's Bakery Restaurant, Patxi's Pizza   2014 – 2016
Driver/Valet Supervisor, at Soiree Valet, Butler Valet, Pizz'a Chicago, GoKart Racer   2007 – 2013
Retail Sales Associate, at Gregg's Cycles, The North Face, Peninsula Hardware   2001 – 2007

EDUCATION

Hack Reactor, Advanced Software Engineering Immersive Program   2017
Northern Arizona University, B.S. Computer Science   2015
- Relevant coursework: Software Engineering, Web Development, Networks, Databases, Algorithms, Data Structures, Automata, Operating Systems, Software Assurance, Technical Writing, Ethics