Alec David

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github.com/alec-david

Work Experience

Acumen Solutions, *Cleveland, OH*   *June 2016 - Present*
Software Developer
- Worked on a small team to design and develop time tracking and correspondence management software used by employees of the Department of Veterans Affairs
- Developed a pricing model used by hundreds of employees to determine how much to charge for potential projects using Lightning, a component based JavaScript framework
- Created interactive demos in React that were used in successful sales pitches to several potential clients
- Responsible for deploying code changes between sandboxes and conducting code reviews for team members

Brilliant Sole, *Remote*   *August 2016 - Present*
Software Developer
- Developed a cross-platform Xamarin application that uses Bluetooth to connect to and then parse and transmit information from a pressure and acceleration sensing device
- Designed and created an Electron desktop app that creates a websocket server that receives sensor data and outputs actions to control movement in virtual reality video games
- Coordinated with founder and developers on mobile and desktop app requirements, UI/UX design, and marketing strategies

NASA Glenn Research Center, *Cleveland, OH*   *Summer 2015*
Digital Astronaut Project Intern
- Performed kinematic and kinetic analysis, model scaling, and data reduction for motion capture, ground reaction force, and EMG data using BTS Tracking and OpenSim software
- Used Node.js, MATLAB, and Excel to automate repetitive data input, modeling, and simulation processes

Education

Case Western Reserve University, *Cleveland, OH*   *May 2016*
Bachelor of Science in Biomedical Engineering (Biomedical Computing and Analysis)
Minor: Computer Science
Cumulative GPA: 3.73

Personal Projects

Salesforce Ant Automation *(github.com/alec-david/SalesforceAntAutomation)*
- Created tools to automate the managing and deploying of Salesforce Ant packages between Salesforce organizations
- Generate Package: Pulls all the changed Salesforce components from a Google Sheet and organizes all of the components into a package.xml Ant file that can be easily deployed
- Combine Ant Packages: Combines multiple packages into one comprehensive package, filtering old versions and duplicate values – ideal for creating a complete package to push to production

React Hacker News Clone *(github.com/alec-david/hnReactClone)*
- Leveraged the Hacker News Public API on Firebase to retrieve all of the data submitted to Hacker News
- Used React, React-Router, and MobX to recreate all of the sections on Hacker News including Top, New, and Ask submissions, submission comments, and jobs

Technical Skills

Languages
- Strong: Java, JavaScript (React, Redux, Node.js, jQuery, ES6), HTML5, CSS
- Some experience: C#, Python, SQL, Android, Xamarin

Tools
- Git, Jira, Ant, Maven, Gradle, Spring, AWS, Agile