

Alec David

1801 E. 12th St, Apt 1712
Cleveland, OH 44114
alec.r.david@gmail.com
(856) 669-9528
github.com/alec-david

Work Experience

Acumen Solutions, Cleveland, OH
Software Developer

June 2016 - Present

- 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 company-wide pricing model used to determine how much to charge for potential projects using Salesforce Lightning (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
Software Developer

August 2016 - Present

- 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
- Helped design and create an Electron desktop app that creates a websocket server that receives sensor data and outputs movement actions to control 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
Digital Astronaut Project Intern

Summer 2015

- 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 MATLAB, Excel, and Node.js to automate repetitive data input, modeling, and simulation processes
- Collected motion capture data using cameras, EMGs, and force detecting plates

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

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

- Strong: Java, JavaScript (React, Node.js, jQuery), HTML, CSS
- Some experience: C#, Python, SQL, Android, Xamarin
- Tools: Git, Jira, Maven, Visual Studio, AWS, Agile