

Alex Strand

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EDUCATION

- **Olivet Nazarene University**
• *BA in Computer Science*

Bourbonnais, IL
September 2011 - May 2015

EXPERIENCE

- **OCLC**
• *Software Engineer - Identity Management Team*
◦ Involved in a weekly support rotation between members of my team. We help resolve questions from our customer support teams/other teams within OCLC. We also make sure project dependencies are updated and help out with other tasks.
◦ Converted the front end of our user login application(which serves over 20,000 different libraries) from YUI to ES6/TypeScript using Google's Material Design in order to provide a login experience that uses current design trends and performs well on mobile devices. Also makes use of semantic HTML and ARIA for accessibility.
◦ Rewrote part of our user login/authentication application with React/Material UI components. React allowed us to have a quicker and faster development experience by giving us pre built components from npm as well as build a more consistent style guide.
◦ Replacing and building out new functionality in React/Material UI in a legacy YUI app that has a number of teams sharing the same application framework. Specifically working within administrative management application for librarians/staff in an institution.
Dublin, OH
Sept. 2018 - Present
- **Root Inc.**
• *Software Developer*
◦ Lead the rewriting of custom grunt plugins to work with a new webpack build system for our SPA framework. Utilizing webpack allowed us be consistent with the rest of our team's tech stacks for various projects and be more adaptable for the future.
◦ Lead the development to rebuild our JQuery SPA framework in ES6/Webpack instead of JQuery/Grunt.
◦ Worked with a team(also solo) to develop SPA apps in JQuery for clients. Collaborated with artists and content designers to build applications that met the client's needs.
◦ Worked with a team of developers to make updates and add features to internal Node JS applications for our development team.
Sylvania, OH
Sept. 2015 - Sept. 2018

PROJECTS

- **YouTube video Playlist App** An app that plays a selection of lofi-hiphop videos from YouTube. Built with React/Node/GraphQL and the YouTube API.
- **ITF Taekwondo App** A reference app for android/ios that lists all of the patterns in ITF Taekwondo for easy lookup. Also allows user to take save notes locally for a particular pattern/technique. Written in React Native.
- **Daily Programmer Challenge App** A React/Express web app that pulls a random challenge from r/dailyprogrammer on Reddit Utilizes a javascript wrapper for Reddit's API(snoowrap).
- **Static Site generator** Static site generator written in Rust that was the first version of my personal site/portfolio

LANGUAGES AND TECHNOLOGIES

- **Languages:** JavaScript, TypeScript, HTML, CSS, Java
Material UI, Webpack, JQuery, SQL, SCSS, Node JS

Technologies: React, React Native,