

# Alex Strand

## EXPERIENCE

### OCLC

SEPTEMBER 2018 -  
PRESENT

#### Software Developer

- Involved in a weekly support rotation between members of my team. Help resolve questions from our customer support teams/other teams within OCLC. Wrote documentation for support tasks and procedures that need done on a monthly/weekly basis. This helps get other developers up to speed and share knowledge more efficiently.
- 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, using Material UI Themeing support as a base
- Wrote new API endpoints in Java for a React/Material UI component within in a legacy YUI app. APIs and new UI allow librarians staff to assign access/permissions across a group of libraries/institutions. Assisted in building new React components for the frontend.

### Root Inc.

SEPTEMBER 2015 -  
SEPTEMBER 2018

#### 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.

## PROJECTS

### Resume Generator

- A React library(WIP) that can generate a resume to be output in HTML/CSS. Uses styled components for themeing and customization. CSS Grid is used for layout.

### Lofi Hip-Hop Video Viewer

- React/Express app that pulls videos from Youtube using their API. Data is stored in redis and served to React via GraphQL.

### Taekwondo Patterns Review

- React Native app(WIP) that lists all patterns in ITF Taekwondo. You can review specific moves in a pattern and save notes locally to your phone. Converted from an android app to be available on iOS and android.

## EDUCATION

### Olivet Nazarene University

SEPTEMBER 2011 - MAY 2015

### Bachelor Of Arts

Computer Science

## SKILLS

JavaScript, TypeScript, HTML, CSS, Java, React, React Native, Material UI, Jest, Webpack, JQuery, SCSS, NodeJS, Spock, Spring, SQL