Alex Strand

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EDUCATION

- **Olivet Nazarene University** — Bourbonnais, IL
  BA in Computer Science — *September 2011 - May 2015*

EXPERIENCE

- **OCLC** — Dublin, OH
  Software Engineer - Identity Management Team — *Sept. 2018 - Present*
  - Working to convert Spring based applications to Spring Boot for a more consistent project structure for all of our applications.
  - Working with our UI/UX team to implement a new Material Design interface for a login flow for one of our applications. This Material Design refactor will also reach other applications that my team controls providing a modern UI/UX to end users.
  - Initiated/started efforts to move my team towards modern frontend tooling and practices, due to my prior work experience with front end technologies.
  - Converting the front end of our user login application with team mates to ES6/TypeScript with team mates in an effort to modernize our front end code and create an organized approach to front end development for our team.
  - Eliminating dependencies on JQuery and YUI.js allows us to ship much less code to an end user(from 30-40kb to just under 8kb). This provides a better user experience for end users using mobile devices in spotty network conditions.

- **Root Inc.** — Sylvania, OH
  Software Developer — *Sept. 2015 - Sept. 2018*
  - Lead the rewriting of custom grunt plugins to work with a 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
  - 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 for clients.
  - Worked with a team of developers to updates and add features to internal Node JS applications for our development team

PROJECTS

- **ITF Taekwondo App**   A reference app for android that lists all of the patterns in ITF Taekwondo for easy lookup.

- **Wikipedia Summaries**   React/Go app that gives you the Wikipedia summary for topics or words that you enter. Uses the Wikimedia REST API.

- **Daily Programmer Challange 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).

- **Personal Site/blog**   A personal site and blog with a static generator that I developed written in Rust

LANGUAGES AND TECHNOLOGIES

- **Languages**: Javascript, HTML, CSS, Java   **Technologies**: React, Webpack, Jquery, Postgres SQL
  Operating systems: Windows, MacOS, Linux