Alexander Lu

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PROFESSIONAL EXPERIENCE

Wells Solar, Austin, TX — Site Surveyor & Designer

June 2021 - Current

Site Surveyor & Designer (June 2021 - Current)

Primary responsibilities: Designer, completed CAD design layouts for PV systems and electrical retrofitting for residential homes and commercial buildings in the central Texas region. Designs included PV layouts, electrical mapping, land/building surveying.

Secondary responsibilities: Site Surveyor, complete a full electrical mapping of residential homes and businesses. Using drones or manually measurements to ensure a uniform aesthetic and productive system. Document obstructions, underground gas reserves, local structural shading, soil quality for trench pathing, and tree shading

EDUCATION

University of Texas Coding BootCamp, Austin, TX — Full Stack Web Developer Certification

Graduated: July 2022

Stephen F Austin High School, Sugarland, TX —High School

Graduated: June 2016

PROJECTS

Babel Fish — A multi person chat app for live translation

MERN Stack student project, a single screen application that can quickly translate chat messages on a singular device between two individuals in real time, using Google Translate API.

Weather App — A Weather UI using Openweathermap.org

A Clean weather UI that uses Openweathermap.org's API to track weather conditions in a given area, includes location tracking capabilities, as well as city search functionality

LANGUAGES

HTML5 | CSS3 | JavaScript | ES6 | SQL | Sass

FRAMEWORKS/LIBRARIES

Node.js | React.js | Express.js | JQuery | BootStrap | TailWind

DATABASE

MySQL | Sequelize | MongoDB | Mongoose | Indexed DB

TOOLS/CONCEPTS

Git | VS Code | Responsive Design | REST API | MVC | MERN Stack | Object Oriented Programming | Jest | JSON | Web Tokens

PROFESSIONAL TOOLS

Monday.com | Slack | Google Drive interface

DESIGN TOOLS

AutoCAD | SketchUp | Layout | Makertbot3D | Solidworks| Scanifly | Altura Drones | Aurora Solar | PV Watts | Unirac Design Tool | Aurora Solar | Scanifly |