

# Kalan Prudhomme

## Fullstack Software Developer

### ABOUT ME

Lifelong scholar always seeking out the next opportunity to learn something new. I strive to create clean code and focus on user accessibility within my projects.

### TECH STACK

#### LANGUAGES

JavaScript (ES6)  
HTML5  
CSS3  
PostgreSQL

#### FRAMEWORKS & LIBRARIES

React  
Express  
Node  
Superagent  
WebExtension API  
Bcrypt

#### DEV PRACTICES

TDD  
Agile Workflow  
RESTful API's  
Red-Green-Refactor  
Agile Workflow  
Pair/Mob Programming  
Remote Collaboration

### EDUCATION

#### **ALCHEMY CODE LAB - 2021**

Full Stack JavaScript Bootcamp

#### **OREGON STATE UNIVERSITY - 2015**

B.S. Biohealth Sciences, Minor in Toxicology

### PROJECTS

#### **CHORDIAL** [GITHUB](#) | [WEBSITE](#)

REACT | CSS3 | POSTGRESQL | EXPRESS | NODE | BCRYPT

**A visually stunning full stack music creation app centered on chordal harmonies.**

Mob-programmed remotely in a 2-week sprint. Developed the data system, implemented authentication routes in the back-end, and helped design app logic for displaying chords based on user input. Implemented audio features and mute functionality.

#### **WEB WIZARD** [GITHUB](#) | [DOWNLOAD](#)

HTML5 | CSS3 | WEBEXTENSIONS API | JAVASCRIPT(ES6)

**A Firefox Extension that alters CSS properties of webpages based on user input.**

Mob-programmed remotely in a 2-week sprint. Learned and utilized the WebExtension API, managed the project, co-developed the browser-to-extension communication system, and developed the text Content targeting functionality.

#### **IO-SPIO** [GITHUB](#) | [WEBSITE](#)

HTML5 | CSS3 | JAVASCRIPT(ES6) | LOCAL STORAGE

**A digital version of I-Spy, with score leaderboards and visual flair.**

Mob-programmed remotely in a 1-week sprint. Created the datasets that supplied images and objects to the game logic, created background images for the game pages, and created the app logo.

### EXPERIENCE

#### **TIMBERCON - TUALATIN, OR | 2018-2021**

Fiber Optic Technician

Was the go-to resource on the team for all processes, quality checks and debugging the toughest challenges. Collaborated with the engineering department and build team to meet daily goals and project deadlines. Created documentation for new builds and improved existing processes.

#### **UNITED STATES POSTAL SERVICE- LAKE OSWEGO, OR | 2017**

City Carrier Assistant

Consistently went the extra mile to provide the best service to postal customers. Known for incredible efficiency and attention to detail, being able to hand sort and deliver upwards of 600 pieces of mail based on address, customer info, and route position by memory.

#### **OREGON STATE UNIVERSITY- CORVALLIS, OR | 2013-2015**

Research Assistant

Collaborated with research teams globally to write Scientific Papers, discuss research findings. and create data figures/3D-models.

Became proficient in Linux and ICM Molsoft within a week. Held daily standups to discuss research progress and plan for the day/week.

Utilized RSCB Database to pull datamodels for use in predictive 3D modeling of protein-ligand interaction.