

# Kieran Sukachevin

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(301) 919 – 4512 | *Soquel*, CA

Software Developer

## EDUCATION

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Walla Walla University | College Place, WA | Spring 2022

**B.S. in Computer Science** | Art Minor | GPA: 3.66

## EXPERIENCE

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Walla Walla University | College Place, WA

**Web Developer** | September 2021 – September 2022

- o Enhanced and debugged HTML, CSS, and TypeScript for the WWU student body Angular website.
- o Implemented component and template changes for a user admin page used for creating new student elections.
- o Created a student elections WordPress page and wrote PHP for extended functionality of the Forminator plugin.

Walla Walla University | College Place, WA

**President – Engineers Without Borders** | September 2021 – June 2022

- o President of the Engineers Without Borders, WWU Chapter with ongoing engineering and humanitarian projects in India, Tanzania, and Walla Walla, WA.
- o Lead a successful transition into preliminary financial and logistics planning for a new water well engineering project in Manzini, Eswatini.
- o Lead and managed a team of nine-chapter officers including three project managers.

## PROJECTS

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**Playlist Alphabetizer** | *TypeScript, Angular, HTTP, HTML, CSS* | [source](#)

- o Built a single-page, responsive, Angular web app that alphabetizes Spotify playlists.
- o Utilized the Angular HTTP Client Module to make requests to Spotify API endpoints including OAuth authorization, retrieving user listening data, and retrieving and modifying user playlists.
- o Leveraged the Angular component structure and created a shared service module used for HTTP requests, data retrieval, and parsing JSON.

**Personal Portfolio Website** | *TypeScript, Angular, HTML, CSS* | [source](#)

- o Built a single-page, responsive, Angular website featuring my projects and art.
- o Created dynamic CSS changes for elements (including changes in opacity, element positioning, and animation), leveraging component and template data binding.
- o Wrote custom HTML for Angular templates and CSS for styling and varying media types.

**Alkalinity Titrator – UI State Machine** | *Python, Pytest* | [source](#)

- o Built a new UI framework for the open-source [Alkalinity Titrator project](#) (a device that performs the titration process on a sample of water) using a Python class based, state machine approach.
- o Created a comprehensive unit and acceptance testing test suite for the UI state machine framework using Pytest.

**Globify** | *JavaScript, Node.js, Express.js, Webpack, HTML, CSS* | [source](#)

- o Building a Webpack bundled web app that displays your top Spotify artists on a 3D globe with a Node.js/Express.js backend.
- o Creating an interactive 3D globe using Three.js that responds to JavaScript events (scroll and click).
- o Implementing an Express.js backend to retrieve data from REST APIs including Spotify and Wikipedia about musical artists to serve to the frontend.

**Theatre Seating Simulator** | *Python, PyQt5* | [source](#)

- o Built a Python theatre seating simulator that sells and refunds seats with a PyQt5 GUI.
- o Implemented a MVC design pattern of interaction between Python classes (model, view, controller).

## TECHNICAL SKILLS

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Python, JavaScript, TypeScript, HTML, CSS, Angular, Git, Object-Oriented Programming, Functional Programming, REST APIs, Data Structures, Algorithms, Front-end Development, Web Development, Sketching, Design