


# KIERAN SUKACHEVIN

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## EDUCATION

B.S. in Computer Science

Walla Walla University

 Spring 2022

Cumulative GPA: 3.66

Minor in Art

Walla Walla University

 Spring 2022

## PROJECTS

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

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

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

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

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

- 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.
- Created a comprehensive unit and acceptance testing test suite for the UI state machine framework using Pytest.

Globify (*JavaScript, Node, Express, Webpack, HTML, CSS*) - [source](#)

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

## WORKING EXPERIENCE

Web Developer

Walla Walla University

 September 2021 - September 2022

 College Place, WA

- Enhanced and debugged HTML, CSS, and TypeScript for the WWU student body Angular website.
- Implemented Angular component and template changes for a user admin page.
- Created a student elections WordPress page and wrote PHP to extend functionality of WordPress plugins.

President – Engineers Without Borders

Walla Walla University

 September 2021 - June 2022

 College Place, WA

- President of the Engineers Without Borders, WWU Chapter with ongoing engineering and humanitarian projects in India, Tanzania, and Walla Walla, WA.
- Led a successful transition into preliminary financial and logistics planning for a new water well engineering project in Manzini, Eswatini.
- Led and planned a successful Winter gala that raised \$3,939 in donations for the club's local and international engineering projects.

## SKILLS

Python

JavaScript

Typescript

HTML

CSS

Angular

Git

Object-Oriented Programming

Algorithms

Functional Programming

Data Structures

Front-end Development

Web Development

Sketching

Design