


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

SKILLS

Python

JavaScript

Typescript

HTML5

CSS3

Angular

Java

Object-Oriented Programming

Functional Programming

Data Structures

Algorithms

Front-end Development

Web Development

Design

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.

PROJECTS

Playlist Alphabetizer (*Typescript, Angular, HTML, CSS, HTTP*) - [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 components with Typescript including custom HTML for templates and CSS for styling, layouts, and varying media types.

Globify (*JavaScript, NodeJS, ExpressJS, 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 with ThreeJS that responds to JavaScript events (scroll, click, and drag).
- Implementing a NodeJS/ExpressJS backend to make requests to REST APIs including Spotify, Wikipedia, and Wikidata about musical artists to serve to the frontend.

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 test suite for the UI state machine framework using Pytest.

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

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

Drawit (*Java, AndroidSDK*) - [source](#)

- Built an Android drawing app in Java using the Android SDK.
- Implemented an Object-Oriented design approach, utilizing the built in Path, Paint, and Canvas classes to enable simulate drawing on the screen.

Lights Out (*Dart, Flutter*) - [source](#)

- Built a Flutter app 2D arcade-style game utilizing the Flame package for Flutter as the game engine.
- Leveraged the Flutter framework to create components for the game parts (player, door, background, etc).