KIERAN SUKACHEVIN

🔗 **kieran-sukachevin**   @ **kieran.sukachevin@gmail.com**   ⚙ **kieransukachevin**   📞 **(301) 919 - 4512**   📍 **Soquel, CA 95073**

EDUCATION

B.S. in Computer Science	**Minor in Art**
Walla Walla University	**Walla Walla University**
📅 Spring 2022	📅 Spring 2022
Cumulative GPA: 3.66	

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*) - 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, Android*) - 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).