

Alexander Petit

Software Engineer

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SKILLS

Languages - JS, HTML, CSS, Python | **Libraries and Frameworks** - Node.js, Express.js, EJS, React, Django

Database - MongoDB, Mongoose, SQLite | **Tools** - RESTful Routing JSON, Github, Git, Materialize CSS, React-Bootstrap, Bootstrap 5

SOFTWARE DEVELOPMENT PROJECTS

May 2023 - Present

Snoqualmie Valley Garden Club | Full-stack web application | Full MERN Stack, React-Bootstrap, CSS | [Heroku Site](#)

- Partnered with the non-profit throughout the project to define and refine features based on business needs. Made recommendations to enhance overall product design.
- Implemented secure photo upload functionality to AWS S3 storage bucket, enabling administrators to seamlessly add new images to the site gallery.
- Enhanced core React skills through building custom components and implementing modern hooks, state management, effects and UI rendering from scratch.
- Delivered high-quality, feature-rich web app with admin focus ahead of schedule and under budget through agile collaboration with the client, self-directed learning, and diligent project management.

Macro Counter | Full-stack web application | Python, Django, CSS | [Heroku Site](#)

- Learned GitHub control flow with a team by working on the project with another classmate.
- Employed Django alongside Python to build a full-stack web application that can be used to track a user's calories and macronutrients in a given day.
- Demonstrated ability to use APIs by utilizing Edemam's Food Database API to search for practically any food and return the calories and nutrients of the target food.

Climbing Advice | Full-stack web application | EJS, CSS, Express, Mongoose | [Heroku Site](#)

- Utilized EJS to handle front-end, and wrote an extensive amount of CSS from scratch to style the site.
- Made RESTful API fetch calls to an Express, MongoDB, Node.js backend handling all create, read, update, delete (CRUD) operations.
- Used Mongoose to define schemas for MongoDB collections.
- Implemented ES6 tagged template literals with Styled-Components along CSS3 to provide style and flexbox layout of the application.

Minesweeper | Desktop web game | HTML, CSS, JS | [GH-Pages Site](#)

- Created a browser game version of the classic Minesweeper.
- Used JS to serve the front-end of the game, applied concepts such as recursion and OOP.
- Dynamically rendered the game through DOM manipulation.
- Styled with CSS, using CSS grid and flexbox.

PROFESSIONAL EXPERIENCE

Snoqualmie Valley Garden Club, Full-Stack Developer | Snoqualmie, WA **REMOTE**

July 2023 - Present

- Created a website for the non-profit club with an emphasis on admin functionality to facilitate a highly customizable website.
- Took direction and collaborated with members of the club to build a vision for the final product that would include an event feed, photo gallery, event calendar, and multiple static pages such as an about page or scholarships page.
- Demonstrated different stages of development with the client to ensure the product would fit their desires.

Outlook Exteriors, High Rise Window Washer | Seattle, WA

August 2022 - April 2023

Arborists of Washington, Arborist Groundsmen | Kent, WA

December 2021 - June 2022

Cochran, Low Voltage Technician Apprentice | Seattle, WA

May 2021 - October 2021

Nussbaum Landscape Construction, General Laborer | Seattle, WA

October 2019 - September 2020

EDUCATION

GENERAL ASSEMBLY | Renton, WA **REMOTE**

Software Engineering Immersive

April 2023 - July 2023

