**Ken L Steckler**

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**EDUCATION**

**Oregon State University – Corvallis, WA** Expected Graduation June 2025 **Bachelor of Science in Computer Science**

Relevant coursework: Assembly, Discrete Mathematics, Data Structures, Algorithms, Web Development, Databases

**PROJECTS**

**Duplicate Patient Checker**  GitHub: https://github.com/ken-steckler/duplicate-patient-checker

* Python application that utilizes the CSV Python Library to return a list of patient names that need to be merged.
* Uses iteration and sort to go through a CSV file exported from proprietary pharmacy software to compare duplicates.
* Improved workflow efficiency by approximately 200%, which allowed the pharmacy team to focus on more critical tasks.

**FÜÜD – iOS Mobile Application (1st Place Hackathon Winner)** GitHub: <https://github.com/ken-steckler/restaurant>

* Placed first in the National Demo Day Codepath Hackathon in Fall 2022.
* Collaboratively worked with 4 other students through GitHub on an iOS Mobile Application using Xcode and Swift.
* Uses Yelp Fusion API to get restaurant data for users to swipe left and right to pick their favorite restaurants to store in a database through open-source backend framework, Parse.
* Integrates KolodaView for left/right swipe functionality of restaurants, MapKit to display the location of the restaurant in a separate detailed View Controller and GeoDB API to get the nearest user location.

**HashMap Implementation in Python3**  GitHub: https://github.com/ken-steckler/Hashmap-Implementation

* Implemented chaining and open addressing for indexing into the HashMap, using a dynamic array and/or linked list
* Incorporates several methods in chaining including, resize, get, contains\_key, return and find\_mode
* Incorporates several methods in open addressing with quadratic probing for collision resolution, including, put, table\_load, empty\_buckets, resize, get, contains\_key, clear, get\_keys\_and\_values, \_\_iter\_\_, and \_\_next\_\_

**SKILLS**

**Programming Languages**: Python, JavaScript, SQL, Swift, HTML/CSS, Assembly

**Tools and Frameworks**: React, NEXT.JS, Node, GitHub, Xcode, VSCode, PyCharm

**Certifications**: CodePath Certification in iOS Development (August 2022 – November 2022), 1st Place National Demo Day

**WORK EXPERIENCE**

**Software Engineer / Web Development Intern** at Childhood Cancer Society December 2022 – April 2023

* Worked with other engineers and designers to help implement a new backend in the main organization website.
* Developed CSS style guides to abide to when integrating and designing components into the web site.
* Collaborated with 10 other interdisciplinary team members using GitHub and project management tool, Linear.

**Undergraduate Learning Assistant for CS161** at Oregon State University June 2022 – June 2023

* Assisted in the teaching of a computer science course at Oregon State University, focusing on Python programming.
* Graded weekly projects for a group of approximately 30 students, providing feedback and support to help them improve their programming and problem-solving skills.
* Held weekly office hours to answer student questions and provide additional support for course material.