Ken L Steckler

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EDUCATION

Oregon State University – Corvallis, WA   Expected Graduation June 2024
Bachelor of Science in Computer Science, GPA: 4.00
Relevant coursework: Computer Science, Discrete Mathematics, Data Structures, Algorithms, Web Development, Databases

PROJECTS

Giftu – Fullstack Gift Exchange App   Live Demo: https://giftu-app.herokuapp.com
- Fullstack CRUD web application utilizing JavaScript and EJS templating to keep track of a group's wish list.
- Uses asynchronous JavaScript and Express middleware when adding/editing/removing a group, gift or user and connects to MongoDB Atlas to store data.
- Implements user authentication with PassportJS and Node.js to allow users to securely login with their username or password and view and interact with groups that the user is invited to.

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

Tools and Frameworks: React.JS, 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 – Current
- Working with other engineers and designers to help implement a new backend in the main organization website
- Developing CSS style guides to abide to when integrating and designing components into the web site
- Collaborating with 10 other engineers using GitHub and project management tool, Linear

Undergraduate Learning Assistant for CS161 at Oregon State University   June 2022 - Current
- Assist in the teaching of a computer science course at Oregon State University, focusing on Python programming
- Grade weekly projects for a group of approximately 30 students, providing feedback and support to help them improve their programming and problem-solving skills
- Hold weekly office hours to answer student questions and provide additional support for course material.