Dongwoo Kang

(929) 928 - 0444
Corvallis, OR 97333
kangdo@oregonstate.edu
https://www.dongwookang.com

EDUCATION

Oregon State University Spring 2024

Honors Bachelor of Science in Computer Science Corvallis, Oregon
Minor in Finance United States

Relevant Coursework

- Data structures, Web development, Analysis of Algorithms, Operating system 1, Operating system 2, Software Engineering, Intro to Artificial Intelligence

PROJECTS

Solar PV Calculator Summer 2021

- Collaborated with small group to write a program to offer a simple method for calculating the amount of time an off-grid car can run on solar power with a specific set of loads, battery size, and solar array size.
- Deployed Python for the backend, with Flask and Jinja to provide a development web server to view HTML templates and pass data between modules.

Covid-19 Map Winter 2021

- Coordinated group of 4 to create a web app that displays a map to allow users to get information about the Corona-19 for a specific state.
- Used flask to render html templates and python and javascript for backend development.

Small shell Spring 2022

- Programmed a shell using the C language.
- Operated Unix process API for signal handling and employed I/O redirection.

Stock Sentiment Analysis Summer 2023

- Incorporated sentiment analysis on stock headlines via the NLTK API in a React-based website.
- Provided users with sentiment scores, relevant news links, stock graphs, and expert price predictions.

LikeLion Club President Fall 2023 - present

- Hold the position of President in an IT Education & Entrepreneurship Community Club
- Lead initiatives and guide members in exploring the intersection of technology and entrepreneurship.

SKILLS

- C++, C, Python, CSS, HTML, Java Script
- Strong math skills and problem solving abilities
- Strong leadership, communication, and collaboration skills.

WORK EXPERIENCE

Learning Assistance, Oregon State University Sep 2022 - March 2023

- Facilitated small group discussions in integral calculus and elementary functions
- Leveraged pedagogical knowledge to address conceptual challenges and enhance student understanding.

Summer Internship, American Energy Society Summer 2023 - Present

- Developed and maintained interactive maps for various energy-related data sets