

# Dongwoo Kang

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## EDUCATION

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Oregon State University

Spring 2024

**Honors Bachelor of Science in Computer Science**  
**Minor in Finance**

Corvallis, Oregon  
United States

### Relevant Coursework

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

## PROJECTS

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### 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

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

## WORK EXPERIENCE

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### 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

