

Cole Thompson

Software Engineer — Irvine, CA

(530) 448-4990 | cwthomps@uci.edu | <https://www.linkedin.com/in/cole-thompson-991682251>

EDUCATION

University of California, Irvine

Bachelor of Science

Major in Computer Science

Irvine, CA

September 2021 – June 2025

Cumulative GPA: 3.86/4.0;

Dean's Honor List; Regents' Scholar; Hack at UCI

Relevant Coursework

Information Retrieval; Data Structure Implementation and Analysis; Programming with Software Libraries; C++ Programming

EXPERIENCE

ICS LAB ASSISTANT

University of California, Irvine

Irvine, CA

January 2023 – Present

- Supported and tutored students in building programs for a variety of problems and computing environments in Python
- Guided students in leveraging library modules for a range of applications including: graphics, databases, web APIs, networks and sockets
- Introduced and reinforced fundamental programming concepts and language features during office hours

PROJECTS

SEARCH ENGINE

Python, Flask, HTML/CSS

April 2023 – June 2023

- Implemented a web crawler to retrieve web pages from UCI ICS domain
- Improved the search engine to handle tens of thousands of web pages with a query response time under 300ms
- to be continued...BS4

GUI CHAT APPLICATION

Python, Tkinter, Visual Studio Code, Git

January 2022 – March 2022

- Developed a DSP platform direct messaging module with a GUI using Tkinter
- Used my knowledge of the computer file system in order to store messages locally with other users (DSU files)
- Utilized sockets to be able to send and receive direct messages with another user

HACK AT UCI

Edamam API, Swift, FastAPI, Python, Xcode

February 2023

- Developed a recipe app utilizing Edamam's Recipe Search API and Swift
- Deployed backend services using Python and FastAPI for efficient data handling and processing
- Leveraged Xcode for app development, debugging, and deployment on iOS devices

WHAT'S THE WEATHER

Python, OpenWeather API, LastFM API, Visual Studio Code, Git

February 2022

- Set up an account with OpenWeather API, generated API keys, and successfully retrieved weather data
- Connected to LastFM API to fetch music information based on user preferences
- Efficiently parsed JSON data for seamless integration of both APIs into the application

ADDITIONAL

Languages: Python, C++, Java, HTML

Developer Tools/Frameworks: Git, Visual Studio Code, Jupyter Notebook, Eclipse, Xcode, Vim, Microsoft Excel