Vesaun Shrestha

Highlands Ranch, CO | (720)-347-8475 | vesaunshrestha@gmail.com |GitHub ID: vesaun

Education

UNIVERSITY OF COLORADO BOULDER   **AUG 2022 – MAY 2026**

Bachelor of Science in Computer Science

Organizations: Horace M. Hale Scholarship, HackCU 10 1st, Google Student Developers Club, CU Asian Unity

Work Experience

Black Hills Energy, *Field Smart Intern* – **Frederick, CO**   **JUL 2023 – OCT 2023**
- Performed functionality testing for new service app, Field Service Mobile (Salesforce), for over 3,000 technicians using Microsoft Azure DevOps to replace current software, Click.
- Mapped process flows across host systems to ensure user acceptance testing is optimized.

CU Boulder, *Course Assistant (CSCI 1300 & CSCI 2400)* – **Boulder, CO**   **JAN 2023 - PRESENT**
- Facilitate and supervise over 1400 students enrolled in CU Boulder's Introduction to Coding and Computer Systems courses.
- Assist students with coursework during office hours regularly held 16 hours a week.

CU Boulder, *Learning Assistant Mentor* – **Boulder, CO**   **AUG 2023 – PRESENT**
- Facilitate discussions and guide first-time learning assistants (LA) in weekly group meetings.
- Guide 10 first-time LA's with three individual meetings throughout the semester teaching how to set SMART goals and act upon them.

Projects & Activities

Tutoring Website (*Project***)**   **NOV 2023**
- Styled a website to allow users to register as either a tutor or student using HTML/CSS on a Node.js server built with the Express framework.
- Students and tutors can connect with and search for other users based on criteria such as price range, name, courses, etc. Implemented this function by creating our own APIs for our application which were tested using Chai/Mocha frameworks.
- Learned collaboration techniques with GitHub and how to safely merge and push changes to a large group project following Agile methodologies for development.
- Deployed using a Virtual Machine on Azure for presentation.

HackCU 10 Hackathon (*Project***)**   **MARCH 2024**
- Used a variety of web scraping, script injection, Word2Vec, and Linear Algebra techniques to create an automatic puzzle solver chrome extension.
- Designed, analyzed and implemented a novel algorithm in order to vectorize words and compute cosine similarity between two words in order to narrow search recursively (see here).

Skills and Strengths

- **Computer:** C++/C, HTML/CSS, Python, Node.js, REST APIs, GitHub, GDB, AT&T Assembly, PostgreSQL, Docker, Agile.
- **Courses:** Software Development, Computer Systems, Data Structures, Algorithms, Data Science, AI.
- **Soft Skills:** Leadership, group collaboration, public speaking, facilitating conversations, active listening, coachability.