Lava Ghimire

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EDUCATION

University of San Francisco   San Francisco, CA | Aug. 2020 - May 2024
Bachelor of Science in Computer Science

Honors: Cum Laude, Dean's List, Grace Hopper Scholarship, USF Newmark Tuition Scholarship

Activities: Women in Technology, Association of Computing Machinery, Student Housing, Delta Zeta Sorority

Relevant Coursework: Computer Architecture, Software Development in Golang, Databases Systems, Operating Systems, Data Structures and Algorithms, Linear Algebra and Probability, C and Systems Programming, Discrete Mathematics

SKILLS

Languages: Go, C, RISC-V Assembly, HTML, SQL, Java

Tools: GitHub, VS Code, PostgreSQL, MySQL

PROJECTS

DuetsAI Web App, *Bubble.io*   Jan. 2023 - May 2023
- Developed a web application for a language learning startup, DuetsAI, using Bubble.io with a team of 6 other students.
- Focused on User Interface development and data integration through custom API calls.
- Assisted backend team by creating custom APIs on Bubble.io for dynamic data integration on the student web pages.

Full-Stack Search Engine & Web Crawler, *Golang*   Sep. 2023 - Dec. 2023
- Acquired proficiency in the Go programming language through hands-on projects, gaining expertise in database construction and querying skills for persistent indexing, creating data structures, and concurrent programming techniques to enhance software performance.
- Gained competence in web development by learning front-end technologies like HTML, HTTP

RISC-V Single Processor, *Assembly, Digital Design*   Jan. 2023 - May 2023
- Designed and constructed a single-cycle processor using schematic diagrams in a *Digital* designer and simulator, demonstrating knowledge in computer architecture and digital design principles.
- Successfully implemented a pipelined processor architecture in the same simulator, enhancing processor performance through parallel processing techniques.

LEADERSHIP EXPERIENCE

Tech Prep Lead, *Women in Technology*   San Francisco, CA | Feb. 2023 – May 2024
- Planned and led 3 technical workshops for the CS department at USF.
- Focused on workshops for Hackathon readiness, covering Web App Development & Deployment, and LeetCode practice sessions.

Residential Advisor, *USF Student Housing*   San Francisco, CA | Aug. 2023 – May 2024
- Served as a student resource, providing mentorship to 25+ residents and responding to emergency situations including psychological, physical, maintenance, and natural/environmental crises.
- Promoted student and community development with residents through social and educational programming by creating monthly social initiatives.

Vice President of Public Relations, *USFCA Panhellenic Council*   San Francisco, CA | Jan. 2022 – Jan. 2023
- Brainstormed and actualized creative social media content to encourage and increase recruitment while ensuring the association's values are portrayed positively at both the local and national level.
- Directed and planned all public events such as tabling events, info nights and fundraising.