Kevin Loritsch

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Second year undergrad who is passionate about coding, math, and music. Currently exploring Natural Language Processing, Large Language Models, and Web Development. Research Assistant, Project Lead, and Eagle Scout.
Available June 16 - September 22

Education

University of California, Riverside, CA   September 2023 - Present
- Relevant Coursework: Upper Division Data Structures and Algorithms, Concurrent and Parallel Programming.
- University Honors, Chancellor's Scholar, 4.00 GPA

Experience

Undergraduate Learning Assistant   October 2024 - Present
- Worked up to 9 hours a week to improve the learning experience of students in core Computer Science courses. Attended weekly lab sections with ~30 students to provide a supportive environment, and hosted weekly office hours, offering personalized assistance and empowering students with new problem solving approaches.

Data Structures and Algorithms Grader   October 2024 - Present
- Graded for 120+ students for 9 hours a week, as well as helping them with questions about lists, stacks, queues, trees, heaps, hash tables, graphs in C++. Held weekly office hours to help students debug, review and understand course content. Graded variety of programming/laboratory assignments encouraging better code quality, and took weekly code demos to test understanding.

Research Assistant   October 2023 - Present
- Worked with UCR PhD Student Lisa Chen in BioMedical NLP research. During Fall 2024, spent ~6 hours a week collaborating closely with Lisa to authenticate research data and complete our project, designing approaches to simplify data analysis. Completed CITI training, spent ~4 hours a week completing Data Annotations for NLP training during Fall 2023, spent ~2 a week working on comparison algorithms and content during Spring and Winter 2024, and spent ~2 a week reading research papers during Summer 2024.

ACM Ignite Project Lead   June 2024 - Present
- Managed communication between on campus-organization and designers to create FIGMAsof website designs. Managed a team of ~9 students to create the website; teaching basic HTML, Tailwind, and REACT to beginners.

Projects

ACM Ignite Projects
- https://aviatr.ucrhighlanders.org/ (Currently Developing)
- https://vexrobotics.ucrhighlanders.org/ (Developer), https://ai-ucr.ucrhighlanders.org/ (CoLed)

Community Service Website
- https://cv-community-service.herokuapp.com/ - Managed database for 3000 students tracking Community Service Hours, handled front/back end changes, and added features to track students who entered in hours past deadlines.

Eagle Scout Project   Eagle Scout Awarded May 2021
- A culmination of 7 years of work, and an achievement that only 6% of Scouts are able to receive. Project consisted of working with local elementary schools to lead a process in creating videos to help parents, teachers, and students navigate troubles in using technologies in a digital pandemic world.

Relevant Skills

- HTML/CSS (8 years Advanced), C++ (5 Years Intermediate), Javascript (4 Years Intermediate), Ruby on Rails (4 Years Intermediate), Java (5 Years Intermediate), Python (4 Years Intermediate), LaTeX (2 Years Beginner), React (2 Years Beginner), Typescript (1 Year Beginner), pThreads & MPI (1 Year Beginner)