

Kai Hilbourne

Software Engineer

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[LinkedIn](#)

Career Objective

As a recent college graduate, I am excited to apply my skills to new projects. I am committed to crafting efficient, maintainable code and building collaborative team environments. I am ready to use my software development skills to contribute to innovative work, and become a valuable employee.

Skills

Code Languages and Development Tools

Python, C++, C#, Java, SQL, ReactJS, Unity, Meta Quest SDK, Git, Firebase

Other Skills

Agile, Scrum, Kanban, Deep Learning, Spreadsheets

Experience

Utensile — VR Developer Intern

July 2023 - July 2024, Portland, OR

- Coded and tested a 3D CAD visualization program for Meta Quest headsets using the Unity engine and C# scripting
- Designed a simple, human centric user interface, resulting in quick uptake in all test users
- Built a mesh optimization algorithm to solve headset stuttering problems, reducing freeze-frames by 100%
- Drove customer acquisition by incorporating VR sessions into sales pitches, resulting in \$44,000 of new revenue

UC Santa Barbara — Student Developer

January 2023 - March 2023, Goleta, CA

- Collaborated with other students to code and publish a roommate and housing finder web app using ReactJS and Firebase
- Lead Scrum meetings and used Agile methodologies to organize workflow, resulting in 100% of deliverables finished on time
- Heavily contributed to the codebase with 56,000 additions

iDTech— Tech Camp Instructor

July 2022 - November 2022, Irvine, CA

- Taught over 50 students in introductory courses on Machine Learning, Python, and Java
- Adapted communication style to fit individual student needs

Education

Coursera — Deep Learning Specialization

April 2024 - August 2024, Remote

University of California, Santa Barbara — B.S. Computer Science

September 2019 - March 2023, Goleta, CA

- Focused on data structures and algorithms, number theory, and computational science, coding in C++, Python, SQL, ReactJS
- Developed my understanding of emerging areas of CS through courses in cryptography, computer security, database management systems, machine learning, and more.
- Achieved a 3.7 GPA while working part time and participating in extracurriculars