Intern Connect

AI Engineer

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Github: www.github.com/internconnect

EDUCATION

University of California, Berkeley – Berkeley, CA

Bachelor of Science in Computer Science

Expected Graduation Date: May 2024

Cummulative GPA: 3.90/4.00

• Relevant coursework: Microcontroller Programming and Interfacing, Real-Time Operating Systems (RTOS), Digital Signal Processing

SKILLS

• Languages: C, C++, Assembly, Python, Java
• Tools: Arduino IDE, Keil μVision, Raspberry Pi, FreeRTOS, Oscilloscope

EXPERIENCES

Embedded Developer Trainee

MicroTech Innovations | San Jose, CA | Jan 2023-Mar 2023

• Developed firmware for IoT devices, achieving seamless integration with cloud platforms
• Optimized code for power efficiency, extending battery life by 20%
• Collaborated with hardware engineers to design and test PCB layouts

Research Assistant

UC Berkeley Embedded Lab | Oakland, CA | Sep 2022-Dec 2022

• Designed a prototype for a wearable health monitoring device, integrating sensors and wireless communication
• Conducted experiments on low-power embedded systems, publishing results in a technical journal
• Presented a seminar on 'Challenges in Modern Embedded Systems' to students and faculty

Intern, Embedded Systems

ElectroSolutions Corp. | San Francisco, CA | Jun 2022-Aug 2022

• Assisted in debugging and testing firmware for automotive control units
• Developed scripts for automated testing of embedded systems
• Collaborated with cross-functional teams to ensure system reliability and performance

PROJECTS

Smart Home Automation System

• Developed embedded software for home automation devices, enabling voice and app control
• Implemented security protocols to ensure safe communication between devices

Smart Home Automation System

• Designed a network of sensors to monitor environmental parameters in real-time
• Optimized data transmission to achieve low latency and high reliability