ANDREW FONG

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Undergraduate in Computer Science at CU Boulder specializing in AI/ML and algorithmic problem-solving, with complementary interests in finance and economics.

SKILLS & OTHER

Languages: Python, PHP, Javascript, Java, HTML, CSS, SQL, C
Software: VS Code, PyCharm, IntelliJ, Arduino, Android Studio, Raspberry PI, PYNQ-Z2, Jupyter Notebooks, Apache, Davinci 16, Onshape, Jetson Nano, Agile, Jira, Windows, Linux, Git
Skills: Automation, Databases, Full Stack Development, AWS

PROFESSIONAL EXPERIENCE

Longmont, Colorado - Onsite   2021 November – 2025 April
Innovation Center - Student Designer
- Led and managed an IoT development team utilizing Single Board Computers (SBCs) to design, prototype, and implement IoT solutions addressing district employee and student challenges.
- Partnered with CETC to develop a Raspberry Pi-based greenhouse monitoring system. Collected environmental data (temperature, humidity, light intensity) and created a Grafana dashboard to visualize plant health. Utilized InfluxDB for efficient data management.

Longmont, Colorado - Hybrid   2023 August – 2024 December
Anark Corporation - Quality Assurance/Software Intern
- Ensured the quality and functionality of intelligent information management (IIM) software solutions as a Quality Assurance Intern at Anark.
- Developed and executed automated JavaScript tests for web application UI and RESTful APIs. Created comprehensive test cases, reported defects, and collaborated with the team to maintain a high-quality product.
- Demonstrated strong work ethic by consistently contributing to the information management environment through diligent test execution, case creation, and defect identification and reporting within the Jira environment.

Golden, Colorado - Hybrid   2024 June– 2024 July
CS@Mines Computing for the Good Program - Software Engineer Intern
- Led a full-stack development team to create a web application addressing environmental issues through petitions as part of the Computing 4 Good @ Mines initiative.
- Managed project timelines and workflows, delegating tasks and facilitating team collaboration to deliver a successful product.
- Developed a robust web application utilizing HTML, CSS, Bootstrap, PHP, SQL, and AWS to create a user-friendly platform for petition management and environmental advocacy.

EDUCATION

Niwot High School, Niwot CO   2021 - 2025
IB Diploma Student
GPA: 4.531