

# KIRO MOUSSA

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## EDUCATION

### Massachusetts Institute of Technology

Bachelor of Science, Computer Science, Data Science, and Economics

Cambridge, MA

Class of 2029

### Western Center Academy

Valedictorian: 4.9 W GPA, 1510 SAT

Relevant coursework: AP Biology, AP Macroeconomics, AP Computer Science A, AP Calculus BC

Hemet, CA

Class of 2025

## EXPERIENCE

### MIT Web-Lab (IAP 2026)

- Developed Full Stack Web Development Skills
- Integrated Socket.io for real-time functionality and managed data persistence using MongoDB
- Implemented secure authentication using Google OAuth 2.0, protecting user data
- Mastered skills in JavaScript, CSS, MongoDB, Express, React, Socket.io, and Node.js (MERN Stack)

Cambridge, MA

January 2026

### Platform

Founder & Lead Developer

[platform.live](https://platform.live)

November 2025 – Present

- Built an AI-powered dining hall meal recommendation app for college students, live at MIT
- Aggregates real-time dining hall menu data and delivers personalized recommendations based on dietary preferences and nutrition goals
- Deployed on iOS via App Store; backend on Vercel + Supabase with Claude API integration
- Growing user base across universities every day

## PROJECT

### Using Oscillation to Treat Nystagmus

Founder

[sites.google.com/view/nystagmuskiro/](https://sites.google.com/view/nystagmuskiro/)

Riverside, CA

February 2023-May 2025

- Nystagmus is the uncontrollable movement of the eyes, a currently incurable condition.
- Innovated a program to improve the effects of Nystagmus on digital media
- Collected data and feedback from diverse participants across the world
- Improve the vision of twelve individuals

## LEADERSHIP

### Laidlaw Scholars | MIT International Science & Technology Initiatives (MISTI)

Scholar

- Selected as 1 of 15 MIT undergraduates for a competitive, fully funded 2-year program focused on ethical leadership and international research
- Conducting independent research at a leading UK university, applying technical skills to real-world challenges
- Developing adaptive leadership competencies in collaboration with a global cohort of scholars across 20 universities
- Designing and implementing a Leadership in Action project abroad

Bristol, United Kingdom

June - July 2026

### First Robotics Team 8472

Team Captain

- Led a team of diverse interests and ages to collaborate, develop, and grow in competitions
- Programmed, built, and maintained robots for FTC competitions
- Ensuring optimal performance, earning up to 150 points through FTC's unique challenges and constraints
- Utilized Java to develop robust programs for complex tasks and error prevention

French Valley, CA

August 2024 - February 2025

### Hemet Mayor-Mentee program

Mentee

- Educated about the governance of our city, including strategic goals, budget, and policies
- Engaged with constituents to identify and work on local issues
- Proposed new additions and political improvements to the City Council

Murrieta, CA

August - December 2024

## SKILLS

**Technological:** Python, Java, HTML, CSS, JavaScript, React, Figma, Google API, MongoDB, MatLab, Julia, Canva Design

**Languages:** Arabic (Fluent) & English (Fluent)