

Elliot Fayman

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EDUCATION

California State University - Northridge

Northridge, CA

B.S in Computer Science

Expected June 2025

GPA: 4.00/4.00 | Coursework: Adv. Data Structures, Comp. Arch. & Assembly Lang, Calculus II, Physics I

EXPERIENCE

Student Affairs IT

Northridge, CA

Web Developer Intern

June 2022 – Present

- Design, develop & maintain RoR applications with MYSQL databases accessed by thousands of students & staff
- Refactor CSUN's disability resources and education center application in order to make it more user friendly
- Participate in daily standup planning meetings while working in a scrum agile web development environment
- Work in a test-driven environment using RSPEC making design decisions based on previously generated tests

The University Corporation

Northridge, CA

Instructional Student Assistant

January 2022 – June 2022

- Tutored 40+ college students taking a biology-based calculus course as they completed classwork & homework
- Participated in professional development meetings sharing empirical and observational student performance data
- Carefully and accurately graded student classwork and tests giving additional feedback and notes to students

ACTIVITIES

Matador Student Design

Northridge, CA

Project Manager

August 2021 - Present

- Secured 1.5k dollars in funding from NASA Minds to fund a debris collecting electro adhesion cube satellite
- Created and tuned a C based reaction wheel PID controller to adjust the orientation of the cube satellite
- Implemented an Arduino C based software end low pass filter for a 6-axis IMU to attenuate high frequency noise
- Project Manager for 2022-2023 season; youngest project manager in Matador Student Design history

Formula SAE

Los Angeles, CA

Controls Intern

August 2021 – July 2022

- Designed and assembled an adjustable driving seat, steering wheel, and pedal jig to make ergonomic adjustments
- Implemented data collection and processing software for a racing simulation rig to help quantify driver skill

Tulsa Elementary School After School Robotics

Los Angeles, CA

Robotics Coach

August 2018 – January 2020

- Employed Lego Mind storm robotics kits in order to introduce elementary school students to STEM and Robotics
- Created robotics curriculums to teach in weekly hour long after school robotics meetings with 30+ participants

GHCHS Robotics Team

Los Angeles, CA

Subsystem Lead

August 2017 – June 2021

- Oversaw the designing, CAD, fabrication, and programming for a flywheel subsystem over a 6-week period
- Managed a diverse team of high school students composed of electrical, mechanical, and software engineers
- Helped Devise and implement a robust C++ control system for a high-speed flywheel that shoots game objects
- Implemented computer vision software for tracking reflective targets to autonomously adjust shooting mechanism

GHCHS Robotics Outreach

Los Angeles, CA

Outreach Executive

August 2019 – June 2021

- Created and fostered 5 after school robotics programs at elementary and middle schools within the community
- Managed over 35 high school students ensuring they had proper transportation, training, and teaching materials
- Introduced and taught robotics and block-based programming to 200+ elementary and middle school students

SKILLS

Languages: Java, Ruby, Python, HTML, CSS, JavaScript, C, MIPS Assembly

Interests: Climbing, Theme Parks, Snowboarding, Cold War History, Farming, Hiking