Elliot Fayman

18208 Index St, CA 91326 | 424-394-2812 | elliotfayman (github.com) | elliotfayman@gmail.com

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 a 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**

Subsystem Lead *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 programing 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