EZRA KANG

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EDUCATION

Massachusetts Institute of Technology (MIT) GPA: 4.7   Cambridge, MA
Candidate for Bachelor of Science in **Electrical Engineering and Computer Science**   May 2024
Coursework Includes: **Introduction to Algorithms, Fundamentals of Programming, Computation Structures, Linear Algebra and Optimization, Machine Learning, Discrete Math, Circuits and Electronics, Differential Equations, Computational Thinking and Data Science**

WORK EXPERIENCE

Zoro   Software Engineer Intern | Chicago, IL | 06/22 - 08/22

- Designed and developed web frontends built in Vue to provide a user friendly UI for backend tools used by non-technical teams

- Improved a backend API utilizing Python with Flask to facilitate an efficient method of updating database information

- Worked within an Agile development team to develop internal tools with the purpose of improving the workflow of other teams within the company

FLI@MIT Committee   Co-Chair of Peer Support Committee | Cambridge, MA | 02/21 - 01/22

- Led a small committee to create projects to better support FLI (First-Gen/Low-Income) students at MIT

- Communicated with core leadership to report on project details and generate deliverables

- Delegated tasks to committee members and assisted in their execution

FRC Robotics Design Team   Lead Subsystem Designer | Cumming, GA | 08/16 - 3/20

- Coordinated development of a cohesive winch and hook deployment system for a competitive robot game

- Manufactured metal parts with machine shop tools such as a CNC router and lathe

- Collaborated with local manufacturing companies to produce aluminum parts that required fabrication processes outside of the capabilities of the in-house engineering lab

- Utilized communication tools such as Trello and Slack to organize development of the robot

PERSONAL PROJECTS

CAT-SOOP Web Scraper   02/22 - 06/22

- Developed a web scraper in Python for course websites using MIT's CAT-SOOP website framework

- Utilized Python with Selenium to facilitate scraping of content that general web scrapers fail to collect

Hexapod   01/22 - 2/22

- Programmed an Arduino to control the walking functionality of a six legged robot

TECHNICAL SKILLS

Programming	Python, Javascript, Flask, Vue, RISC-V, Bluespec, Pytorch, HTML, CSS, MATLAB
Skills	Data Structures, Algorithms, OOP, Machine Learning, Modular Design, Probability
Tools	Visual Studio Code, Linux, Git, Bitbucket, Jenkins, Docker, GCP, Vim, Jira