

Noah Faro

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<https://noahfaro.com/>

EDUCATION

Massachusetts Institute of Technology (MIT)

Cambridge, MA

Candidate for BS (2022) & MEng (2023) in Computer Science and Eng. | Minor in Biology | GPA 4.6/5.0

May 2022

Relevant Coursework: Machine Learning, Software Construction, Design & Analysis of Algorithms, Computer Systems, Interconnected Embedded Systems, Data Visualization, Discrete Math in Computer Science, Differential Equations

SKILLS AND INTERESTS

Computer-Based Skills: Java, Python, C++, Kotlin, JavaScript, React, Firebase, Node.js, AWS, Git, Unix, PostgreSQL/SQL, Systems Design, Web Development, Data Analysis, GraphQL, Prisma, TensorFlow, REST APIs, Jest, Django, Microsoft Office

Personal Projects: Personal Website | App to pull recipes based on owned ingredients | Small-scale automated investments

Activities: MIT Men's Varsity Soccer, Tae Kwon Do, Marathons, Photography, Viola

TECHNICAL EXPERIENCE

Amazon.com

Seaport, MA

Software Development Engineering Intern

June 2021 – August 2021

- Designed and implemented the architecture and algorithm for an optimization to a data store, utilizing Kotlin and AWS to affect the experience of every employee at Amazon by allowing the system to achieve constant read and write times
- Piloted expanding the coverage of integration tests, ensuring the success of interconnected modules and dependencies
- Collaborated with other engineers to tackle existing functionality issues and maintain the system's safety from bugs
- Led discussions to reorganize the team's sprint planning and evaluation procedures within a designated focus group

Affective Computing Group at MIT Media Lab

Cambridge, MA

Machine Learning and Data Science Undergraduate Researcher

June 2020 – August 2021

- Leveraged machine learning with TensorFlow to find correlations between physiological traits and depression
- Optimized raw data processing to increase automation of displaying a user's clinical results on a visualization platform

Forecastr

Louisville, KY

Software Engineering Intern

June 2020 – September 2020

- Created a front and back-end system using Node.js, Apollo GraphQL, and a Prisma manipulated PostgreSQL database to allow users to fetch and analyze their company's historical data from third-party APIs and guide their future growth
- Built components in the main parts of the app using React to improve the user's experience in navigating the platform
- Incorporated Jest unit tests and Cypress end to end tests to increase coverage of significant parts of the codebase to make our service more reliable and ready for change

Lyndra Therapeutics, Inc.

Watertown, MA

Software Engineering Intern

June 2019 – June 2020

- Constructed software and user-interfaces with Electron for novel in-house machines to simulate gastric emptying waves
- Produced a secure platform using Django that allowed users to conduct and monitor experiments from outside the lab

LEADERSHIP EXPERIENCE

Camp Kesem at MIT - Pod Leader & Counselor

Sept 2018 – Present

- Establish and maintain trusted relationships with children whose families have been affected by cancer in order to provide a safe space for them to talk about their experiences
- Organize inclusive activities for children between age six and thirteen in order to promote play, safety, and cohesion

Phi Beta Epsilon Fraternity- Vice President (2020), Alumni Correspondent (2020)

Sept 2018 – Present

- Serve as an advisor to all other positions, setting expectations for their performance and providing consistent feedback
- Plan, schedule, and finance a formal reunion between active members and the alumni of the organization

Loisaba Community Conservation Foundation - Ambassador

Sept 2016 – Feb 2018

- Established a cleat drive to help provide children of the Ewaso Primary School in Kenya basic necessities and materials for extracurriculars, raising over 200 pairs of cleats, 200 jerseys, and 100 pairs of unused socks and shorts in three years