

# Harry Lynch

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## PROFESSIONAL SUMMARY

Intellectually curious Computer Science, Finance, and Math student passionate about technology and economics. Proficient in both front-end and back-end industry-standard technologies with a strong mathematical background. Equipped with strong analytical, communication, and problem-solving abilities.

## EDUCATION

### Tufts University

Medford, MA

Bachelor of Science in Computer Science, Minor in Finance, Minor in Mathematics

Expected: May 2027

- **Cumulative GPA:** 3.6/4.0 | **Major GPA:** 3.9/4.0
- **Relevant Coursework:** Linear Algebra, Multivariable Calculus, Data Structures, Discrete Mathematics, Database Systems

### The Lawrenceville School

Lawrenceville, NJ

Secondary Education

Graduated June 2023

## TECHNICAL SKILLS & PROJECTS

**Programming Languages:** C++, JavaScript, Python, SQL, HTML, CSS, Java, C

**Software Programs and Tools:** Amazon Web Services (EC2, S3), React, PostgreSQL, NodeJS, ExpressJS, Git, Docker

**Languages:** English, Spanish

### Container Depot Internal Inventory Software (JavaScript & SQL: React, ExpressJS, AWS, NodeJS)

- Developed a web-based inventory system capable of managing shipping containers from reception to sale.
- Implemented user authentication and account system, automated emails to clients, and industry-focused logistic tools.
- Currently hosted and maintained live from AWS for day-to-day internal corporate use.

### Huffman Encoder and Decoder (C++)

- Implemented text compression by applying the Huffman Algorithm to a binary tree to generate bit codes for ASCII text.
- Significantly reduced file sizes by encoding into binary while supporting lossless decompression back to readable text.

## PROFESSIONAL EXPERIENCE

### Airtight Storage Systems Inc.

Manalapan, NJ

Software Development Intern

May 2024 – October 2024

- Single-handedly developed and maintained a full-stack web application for internal inventory and sale management.
- Implemented invoice generation, facilitated transport documents, and developed an internal communication software.

### Ray Catena Mercedes Benz of Freehold

Freehold, NJ

Product Specialist

May 2023 – August 2023

- Provided support in navigating automotive software documentation and facilitated user experience.
- Performed exceptional customer service and product education in a sales environment.

### The Lawrenceville School

Lawrenceville, NJ

House Prefect / Resident Assistant

September 2022 – May 2023

- Mentored 40 underclassmen aged 14-17 in a residential house (similar to a dormitory).
- Ensured the safety of students at all times (14 hours daily) through daily check-ins and meetings.
- Responsible for liaising student concerns to residential staff.

### Eagle Oaks Golf and Country Club

Farmingdale, NJ

Greenskeeper

June 2020 – August 2021

- Managed and maintained an 18-hole golf course. Facilitated member experience and provided exceptional customer service.

## LEADERSHIP & ACTIVITIES

### Tufts Varsity Football

Medford, MA

Player – Defensive Line

August 2023 – May 2024

- Practiced and Competed as an NCAA varsity athlete.
- Developed work ethic and discipline through structured practice and workouts (5-6 Days/Week year round).

### Tufts Torn Ticket II

Medford, MA

Stage Manager, Pit Guitar Player, Actor

August 2023 – May 2024

- Facilitated production of a mainstage musical, managing 40 cast and crew members.
- Scheduled and ran rehearsals, developed and deployed backstage logistical operations.

**General Interests:** Guitar, Welding, Football, Theatre, Tennis, Chess.