

Eyal Lev Sharon

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Dedicated CS Engineer with a strong work ethic and a passion for AI/ML solutions and web app development.
Enthusiastic team player with a collaborative mindset and experience leading and presenting in groups.

EDUCATION

Tufts University

Bachelor of Engineering in Computer Science — 3.57 GPA — Dean's List 5/5

Medford, MA

Aug. 2021 – May 2025

Framingham High School

High School Diploma — 4.44 GPA — High Honors

Framingham, MA

Aug. 2017 – May 2021

RELEVANT COURSEWORK

Web Programming, Machine Learning, ML Applications, Programming Languages, Machine Structure and Assembly Programming, Software Engineering in Regulated Industry, Data Structures, Ethics for Robotics/AI, Computing in Developing Regions, Robotics, Game Design, Calculus I-III, Linear Algebra, Discrete Mathematics, Statistics and Probability

PROJECTS

Authentic Threads

- Collaborated to develop a dynamic World Cup web app, using an inventory database with SQL and PHP
- Combined front and back-end content on SiteGround for several other independent web apps via GitHub

Online Review Sentiment Classifier

- Trained and tested ML pipeline on a diverse dataset of reviews from imdb.com, amazon.com, and yelp.com
- Improved classification accuracy from 90 to 96 percent by leveraging BERT model and open-source libraries

Universal Emulator and Profiling

- Simulated dynamic memory and registers with own data structure to handle tests of 2.1 billion .um file instructions
- Profiled program using GDB debugger to decrease time by 40%

Teleglot: Learn Spanish Over Text

- Integrated OpenAI as a backend to dynamically generate responses to user input through a Python script
- Utilized Twilio API to enable SMS and call-back communication, allowing users to interact with the Spanish learning system

PPM Modification

- Processed PPM files by practicing cache locality and using CVC, DCT, and Bit-packing transformations
- Compressed and decompressed file using Component Video Color, Discrete Cosine Transformation, BitPacking
- Transposed images by creating 2D polymorphic blocked array and removed black edge pixels with stack ADT

TECHNICAL SKILLS

Languages: C++, C, Python, JavaScript, HTML, CSS, PHP, JSON, jQuery, x86 Assembly, SmallTalk, Scheme, Standard ML, R
Frameworks: Docker, Kubernetes, Git, Angular, MYSQL, NodeJS, JUnit, MongoDB, WordPress, Webots, Unity

EXPERIENCE

Software Engineering Intern

Dell Technologies

June 2024 – Present

Hopkinton, MA

- Engineer a Temporal Workflow POC in Python to authenticate and execute Data Domain deployment in AWS
- Contribute to Jenkins CI/CD pipeline using Docker and Kubernetes, and present updates to team and executive meetings

Website Developer Intern

Tufts Human Factors Engineering

May 2023 – Jan 2024

Medford, MA

- Design and implement multiple pages of responsive Tufts department website using WordPress and Divi
- Graded assignments, debugged projects and answered student questions as Web Programming TA

Computer Science Educator @ MIT

iD Tech Camps

Jun 2023 – Aug 2023

Cambridge, MA

- Taught fundamental concepts of AI, app design, machine learning, game design, and robotics
- Developed engaging lesson plans for students of various age groups and Computer Science levels

TAMID at Tufts Data Science Researcher

Bloomap

Oct 2022 – Present

Medford, MA

- Gathered and analyzed widespread data for AI engine created by an Israeli startup company

Hebrew and Jewish Studies Instructor

Temple Shir Tikva

Jan 2020 – Present

Wayland, MA

- Plan and teach weekly lessons to elementary level students
- Substitute/assistant teacher from 2020-Spring 2021