

# Adam Jack Rubinstein

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## EDUCATION

### Tufts University

Medford, MA

Bachelor of Arts in Computer Science, minor in Mathematics

Dec 2022

**GPA:** 3.88    **Honors:** Dean's list – all semesters, graduated Summa Cum Laude

**Relevant coursework:** Deep Neural Networks, Algorithms, Programming Languages, Abstract Algebra, Machine Structure and Assembly-Language Programming, Probability, Security, Computation Theory, Linear Algebra

## EXPERIENCE

### Contract Software Engineer

Sep 2024 – Present

- **Kaizen Aerospace** – Developed high-performance autopilot software and a ground control station interface in C/QML for real-time drone management
- **OnTap Consulting** – Built a React-based client management web app and consulted on integrating AI to accelerate workflows, such as semi-automation of proposal generation

### Roama

New York, NY

Software Engineer

Jan 2024 – Mar 2024

- Architected and built a React Native app for collaborative travel planning and organization, featuring real-time editing (Postgres backend), achieving a 5-star App Store rating
- Implemented Roama AI with LangChain capable of answering travel questions and building itineraries

### GT School

New York, NY

AI Prompt Engineer Contractor

July 2023 – Oct 2023

- Led a team that developed prompts for multiple-choice-question generation for SAT and other school subjects using LLMs, increasing production speed and QC pass rate
- Automated workflows for the team using LangChain and GAS/Python scripts

### NXP Semiconductors

Austin, TX

Software Engineer / Data Engineer Intern

May 2022 – Aug 2022

- Built an automated ETL pipeline in Python to sync a database view from AWS to a local MySQL table
- Improved time and memory performance by 90% of internal web reports in PHP using the sync
- Communicated with Dutch, Indian, and locally-based teams about their needs for the project
- Semi-automated a manual workflow for database creation, decreasing manual time spent by 80%

### Mass. Eye and Ear, SPEL Lab

Boston, MA

Computer Science Intern

June 2021 – Sep 2021

- Designed and built a GUI and data pipeline for a facial tracking application for doctors using Python

### Tufts University, Department of Computer Science

Medford, MA

Teaching Fellow, Machine Structure and Assembly-Language Programming

Sep 2020 – Dec 2022

- Held 6-8 office hours weekly to support student projects and ensure conceptual understanding
- Lead review sessions for exams on topics such as assembly language and cache efficiency

## SKILLS

**Programming Languages:** C, C++, Python, SQL, PHP, JavaScript, Bash

**Frameworks / Technologies:** Linux, Git, LaTeX, Scikit-learn, PyTorch, Kaggle, GPT, Midjourney, React, React Native, AWS Athena, MySQL, PostgreSQL, LangChain, BigQuery

**Foreign Languages:** Hebrew and Spanish

## PROJECTS

### Soccer Match Predictor

Dec 2022

- Created a PyTorch deep learning model to predict soccer match outcomes using statistics and headlines
- Achieved accuracy of 65.2%, better than any other similar publicly available model or paper

## ACTIVITIES & LEADERSHIP

### Tufts Men's Rugby Club

Medford, MA

Treasurer / Head of Recruitment / Player

Sep 2019 – Dec 2022