

Eden Bensaid

Computer engineer programming computers to learn from data, with experience in writing production software, leading teams and DJing.

Education

Massachusetts Institute of Technology (MIT)

Candidate for Master of Engineering with a concentration in AI. (GPA: 5.0/5.0)

Bachelor of Science in Computer Science and Engineering with a minor in Mathematics. (GPA: 4.8/5.0)

Relevant coursework: Natural Language Processing (NLP), Modeling with Machine Learning, Statistical Thinking & Data Analysis, Intelligent Multimodal UI, Software for Data Science, Creating Video Games.

Cambridge, MA

February 2021

May 2020

Work Experience

IBM Research

AI Research Intern

- Completed my Master's thesis in Multimodal Generative models for storytelling with Dr. Hendrik Strobelt, a research scientist at the Visual AI lab @ IBM, and Prof. Jacob Andreas, the director of the Language & Intelligence lab @ MIT CSAIL.
- Created a web-based demo, [FairyTailor](#), for human-in-the-loop graphic story co-creation, where users can create a cohesive children's story by weaving generated texts and retrieved images with their input.
- Used JavaScript and Vue for the client-side, Python and FASTAPI for the server, Pytorch and huggingface for modeling, and IBM Cloud for deployment on GPU.

Cambridge, MA

June 2020-

December 2020

DeepMind

Software Engineer Intern

- Designed, developed, tested, and deployed an end-to-end** internal project management system for organizing research at scale.
- Worked with stakeholders to collect needs, built an MVP, performed two rounds of user studies to a group of 30 users, and a bug bash before deploying the product to production.
- Used TypeScript and Angular for the front-end, Java for the back-end, and Google tools for an efficient integration (such as Spanner, Stubby, Protocol Buffers, and SQL).

London, U.K

June 2019- August

2019

Imperial College London, Department of Computing

Undergraduate Student Researcher

- Worked with a research scientist to build a live experiment of a man-in-the-middle attack and created a **data visualization** that demonstrates the information leaked from our phones.
- Back-end, Python: worked with Wigle API, Open Street Maps API, MongoDB, and scraping websites.
- In charge of Front-end**, JavaScript & ES6: followed responsive design guidelines, worked with Leaflet-react and React.

London, U.K

July 2018-

August 2018

Leadership Experience

Israeli Air Forces

First Lieutenant

- Mission commander of airborne operations; Superior commander of soldiers.
- Certificate of Excellence for outstanding service from Base commander (brigadier-general).

Israel

2011-2016

Projects

- [LyricsAudioBoost](#): Lyrics **Sentiment Analysis** using Spotify & pre-trained **BERT Transformer** with a GRU fine-tuning layer.
- [Artists Recommender](#): **Neural and Content Based Recommendation** system for your favorite artist.
- [Furfect](#): **Inception CNN + Transfer learning** to efficiently find your desired dog in shelters.
- [Chromania](#): In a group of three built a **2D Unity SpeedRun game** where the player must find the door to escape a dynamic maze.

Publication

Shubham Jain, Eden Bensaid, and Yves-Alexandre de Montjoye. [Unveil: Capture and visualise wifi data leakages](#). In The World Wide Web Conference, WWW'19, page 3550–3554, New York, NY, USA, 2019. Association for Computing Machinery.

Skills

Coding Languages: Python, Java, TypeScript, JavaScript, R, SQL, Julia, C#.

Machine Learning Frameworks: pytorch, scikit-learn, huggingface, numpy, spacy, pandas.

Languages: Hebrew—native; English—academic proficiency; French—conversational.

Extracurricular: DJ and Electronic Music production, MIT Maker Workshop member.