Eden Bensaid

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

Education	**Massachusetts Institute of Technology (MIT)**	Cambridge, MA
	Candidate for Master of Engineering with a concentration in AI.	February 2021
	Bachelor of Science in Computer Science and Engineering with a minor in Mathematics.	May 2020
	Cumulative GPA: 4.8/5.0	

Work Experience

IBM Research — Cambridge, MA — June 2020-Current
AI Research Intern
- Work with the Visual AI lab at IBM and Language & Intelligence lab at MIT to complete my Master's thesis in **Multimodal Generative models for storytelling**.

DeepMind — London, U.K — June 2019-August 2019
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).

Imperial College London, Department of Computing — London, U.K — July 2018-August 2018
Undergraduate Student Researcher
- Worked with a research scientist to build a live experiment of man-in-the-middle attack and created a **data visualisation** that demonstrates the information leaked from our phones.
- Back-end, Python: worked with Wigle API, Open Street Maps API, MongoDB, and **scraped websites**.
- **In charge of Front-end**, JavaScript & ES6: followed responsive design guidelines, worked with Leaflet-react and React.

Leadership Experience

Israeli Air Forces — Israel — 2011-2016
First Lieutenant
- Mission commander of airborne operations; Superior commander of soldiers.
- Certificate of Excellence for outstanding service from Base commander (brigadier-general).

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 ComputingMachinery.

Skills

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