

Hazem Fahmi

Profile

Solution- and detail-oriented. An aspiring and ever-learning polymath-artist. Practicing leadership through ownership and compassionate team-playership. I dream to use my skills in serving the public good and advancing sustainability.

Contact

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Work Experience

• Backend Intern - nandbox Sep-Oct 2020

- Initiated a redesign of the chatbot API, and built a prototype.
- Built chatbots.

• Frontend Intern - Travco Group Sep-Oct 2019

- Coded web pages on new products' web pages using HTML, CSS and JavaScript.

Education

B.Eng. Computer Engineering 2021

CGPA: 3.43/4.0

Skills & Tools

- QGIS, Python Geospatial Tools
- C, C++, Java, Python, JavaScript, Git, Bash, SQL
- OOP
- Hadoop, MapReduce
- Web Full Stack: HTML, CSS, Node, Express, MongoDB, React, Docker
- ML: PyTorch, OpenCV, sklearn, NumPy, Pandas
- NLP with Deep Learning

Military Status

Exempted

Extracurricular Activities

- Projects Directorate Member, Enactus Cairo'20
 - 2x Member of the Month.
 - Led a team in the late ideation phase.
- Semi-Finalist, Shell Imagine The Future 2020
- Culture Workshop Participant, ISLC'17, AUC

Hobbies and Interests

- Music
 - Singer-Songwriter at Lone Friend
 - Frontman of Radiohead Tribute Band "The Bends" (2018-2019)
 - In love with the piano.
- Making • Music Hardware • The Outdoors

Projects

• Grad. Project - flux.ai

• Brief Description

Flux processes online meeting transcripts using state-of-the-art neural NLP models to extract action items and decisions and summarize them.

• Highlights

- Learned and implemented modern neural architectures such as Seq2Seq, GCN and TCN, Transformer.
- Developed deep understanding of PyTorch.

• Optical Music

Recognition

(OpenCV, skimage, NumPy)

- Combined methods from research papers and created unique methods for our dataset.

• Spotify Clone

(Node, Express, MongoDB)

- Simulation of real-life development environment with team of 20 Members.
- Worked in backend sub-team to develop the API

• Spotify Recommendation

System

(Hadoop, Pandas, Dask)

- Used both Pandas and Dask for processing Gigabytes of Data
- Utilized Hadoop MapReduce for producing recommendations.

• Search Engine

(Java, Node, React, HTML, CSS)

- Serves 5GB of crawled data.
- UI with React. - Backend with Java Spring Boot.

• Gun-Fight Game Sim.

(x86 Assembly)

- Applied code maintenance best practices.

Key Passions

- Sustainable and Fair Economy
- Ecological Regeneration
- Urban Sustainability