Ayman Fahsi

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SUMMARY

Coterminal Student pursuing a Bachelor's in Computer Science and a Master's in Artificial Intelligence. Seeking internship opportunities related to Data Science, Software Engineering, or Artificial Intelligence. Fascinated by Augmented and Virtual reality applications and aim to make contributions to those fields within the foreseeable future

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL — May 2024

B.S. Computer Science, M.S. Artificial Intelligence

Relevant Courses: Data Mining, Deep Learning, Computer Vision, Machine Learning, Natural Language Processing, Advanced Artificial Intelligence, Algorithms, Data Structures, Software Engineering, Object-Oriented Programming, Big Data

GPA: 3.60

SKILLS

- Technical Languages: Java, Python, R, SQL
- Related Tools: Eclipse, R Studio, Visual Studio Code, GitHub, NumPy, Keras, TensorFlow, Scikit
- Languages: English (Native), Darija (Native), Arabic (Basic)
- ELM Certified Peer Mentor at IIT (2020)

WORK EXPERIENCE

Software Engineer — 2022 - 2022

Scarlet Data Studio — Oak Lawn, IL

- Utilized Python, Prefect, and Git to build and apply match generation functionality to Butterfly app
- Implemented unique match generator for community members based on rare interests
- Designed and implemented cooperative in-app word guessing game

Lead Computer Science Instructor — 2020 - 2022

Exelon Summer Institute at IIT — Chicago, IL

- Designed custom lesson plans to prepare incoming college freshman for Object Oriented Programing 1 and 2
- Led a team of teaching assistants to teach in both classroom and one on one settings
- Earned "Best CS Mentor" award three consecutive summers for exceptional mentoring

HONORS

- Three-time recipient of Best CS Mentor award, Exelon Summer Institute
- Best Public Transit Hack, DemonHacks 2019
- IIT Dean's List, Spring 2022

PROJECTS

Deep Learning Research Investigation — 2022 - 2022

Emotion and Gender Classification from Image — Chicago

- Employed various python libraries including NumPy, Pandas, SciPy, OpenCV, TensorFlow, Keras, and Scikit
- Preprocessed FER-2013 (29,000 images) and IMDB Faces Only (460,000 images) datasets to train classifiers
- Applied Data Augmentation, Residual Modules, and CNN's, to generate multiple classification models and evaluate metrics
- Replicated classification pipeline and validated findings of Real-time convolutional neural networks for emotion and gender classification

Deep Learning — 2022 - 2022

Kaggle Cats and Dogs Classification Analysis — Chicago

- Downloaded and Preprocessed Kaggle's Cats and Dogs 25,000 image dataset
- Applied and evaluated effects of Transfer Learning techniques, Data Augmentation, Regularization, Pooling, Batch Normalization and Hyperparameter Tuning
- Visualized activations to infer features extrapolated through training convolutional neural networks