Abdelrahman Hamdy Radwan

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Work Experience

- **Wuzzuf, Part-time Artificial Intelligence Engineer (Feb 2018 – Present)**
  - Working on enhancing the search, recommendation, ranking and personalization modules.
  - Creating an employers' assistant; to help the employers in choosing the best match candidates and post jobs easily.
  - **Tech stack**: Python, Flask, Scikit-learn, Gensim, SpaCy, TextBlob, FastText, Raza NLU.
- **The D. GmbH, Full-time Data Scientist (Dec 2017 – Present)**
  - Implementing Machine Learning and NLP models in **CUJU-Chatbot**; to make it smarter.
  - Working on crawling and scraping football/soccer related data from different websites.
  - **Tech Stack**: Python, Flask, Node.js, Elasticsearch, MongoDB, Dialogflow, TensorFlow, Scikit-learn, Gensim, SpaCy, Docker.
- **Trendak, Full-time Data Engineer (Jul 2017 – Dec 2017)**
  - Worked on crawling social media channels, and building a pipeline to annotate the crawled data, and extract analytics.
  - Used Big Data technologies to handle the data streaming; to be able to answer real-time queries.
  - **Tech Stack**: Python, Django, Java, Elasticsearch, Redis, Apache Storm, Apache Kafka, Apache Zookeeper, Docker.
- **Microsoft Advanced Technology Lab (ATLC), Software Engineering Intern (Jul 2016 – Sep 2016)**
  - Worked on **LUIS** (Language Understanding Intelligent Service), added Japanese/German/Portuguese language models.
  - Worked on **CRIS** (Custom Recognition Intelligent Service), built a showcase demo for Microsoft Cognitive Services.
  - **Tech Stack**: C#, .NET, Python, Flask.
- **Association for Computing Machinery (ACM), Volunteer Mentor (Sep 2014 – Jan 2018)**
  - Mentored junior students on various algorithms, data structures and problem-solving techniques.
  - Created and tested algorithmic and mathematical problems for various ACM contests.
  - **Tech Stack**: Python, C++, STL.

Education

Ain Shams University (2018 – Present)
- Pursuing Master's degree in Artificial Intelligence and Machine Learning.

Ain Shams University (2013 – 2017)
- Bachelor's Degree in Computer Science with 03.00/04.00 GPA.

Open Source Projects   **More Contributions**

- **Image Colorization:** CNN based tool, which can colorize grayscale images.
  Toolkits: Python, Flask, TensorFlow, OpenCV, NumPy, Pillow.
- **Objects Detection in Noisy Images:** An intelligent tool which can detect and count geometric shapes in noisy images.
  Toolkits: Python, OpenCV, NumPy.
- **Open Domain ChatBot:** Deep learning based open domain Chatbot, based on Google's Neural Conversational Model paper.
  Toolkits: Python, TensorFlow, NLTK, Pandas.
- **Magnetic Lasso Tool:** A livewire used for selecting objects from images to resize/delete/copy/move them.
  Toolkits: C#, Windows Forms.

Skills

- **Programming languages**: C, C++, C#, Python, Java, JavaScript, SQL.
- **Competitive programming:** Solved **1.5k+ algorithmic problems**, participated in Google Code Jam, Google Hash code, Facebook Hacker Cup, Top Code Open (TCO) and ACM contests.

Leadership Activities

- Explained Computer Vision basic concepts in the Computer Vision official Hackathon at Ain Shams University. (2018)
- Organized and led the Quora World Meetup in Cairo, with 120+ attendees and 6+ thought circles. (2017 & 2018)
- Organized and led the Official Algorithms Battles at Ain Shams University with 500+ participants. (2017)
- Explained Machine Learning and AI basic concepts at Ain Shams University with 50+ attendees. (2017)

Achievements

- 2nd place in the official Computer Vision content at Ain Shams University, out of 25+ teams. (2018)
- 6th place in the ACM regional contest in MENA, out of 90+ teams. (2017)
- 5th place in the ACM national contest in Egypt, out of 250+ teams. (2017)
- 3rd place in the ACM local contest at Ain Shams University, out of 75+ teams. (2017)
- 10th place in Wuzzuf Algorithms Battle in Egypt, out of 3000+ participants. (2017)
- 4th place in ACM local contest at Ain Shams University out of 50+ teams. (2016)
- 1st place in the algorithms projects competition at Ain Shams University, out of 180+ teams. (2016)
- 4th place in the algorithms' design and analysis course practical assessments, out of 500+ participants. (2016)
- 4th place in junior year summer projects competition at Ain Shams University, out of 180+ teams. (2014)

More about me: www.sincere.ly/abdelrahmanhamdyradwan/