Ahmed Ismail

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Education

2017–Present **M.Sc in Computer Science**, *Cairo University - Faculty of Computers and Informatics*.
Preparing M.Sc in computer science, with a main interest in machine learning, and its applications in computational linguistics.

2012–2016 **B.Sc in Computer Engineering**, *Cairo University - Faculty of Engineering*, Computer Engineering Department.

- **Graduation Project**: **"Animtractor"**, a marker-less, non-"depth camera"-assisted software for motion capture. The project won first place in the Microsoft ImagineCup's 2016 national finals (Innovation track).
- Participated in preparing course material for the cloud computing section in "CMP303B - Distributed Operating Systems", including preparing programming assignments on Microsoft Azure. This section became a standard part of the course.
- After graduation: Worked as a teaching assistant in "CMP302 - Advanced Algorithms" with Dr. Mayada Hadhoud.

Experience

Nov. 2017–Present **Research Assistant**, *Cairo University*.
Working on a collaborative project with Datalplus.me for speech emotion classification of customer service calls. The project aims to aid call center quality teams in finding calls in which there exists an angry speaker.
Tools used: Python (Scikit-learn, Tensorflow)

Sept. 2016–Aug. 2017 **Researcher**, RDI *Egypt*, Dokki.
Worked mainly on **Hafss** project, a speech verification system for teaching the Hafss recitation method of the Holy Quran. Introduced improvements to the system's recognition accuracy through increasing the size of training data.
Other contributions included developing .NET toolkits for the linguists and data entry department, fixing bugs in the lattice generation toolkit and writing various scripts to facilitate the experimentation process.
Tools used: Kaldi-ASR/C++/Python/C#

Jul.–Sept. 2015 **Cloud Computing Training - Program Preparation Assistant**, *Computer Engineering Department*, Cairo University.
Participated in preparing course material for a summer training program on cloud computing.

Mar.–May 2014 **Academic Committee Member**, *IEEE*, Cairo University Student Branch.
Prepared written material and reports for IEEE's activities.

Skills

Advanced C, C++, Python

Intermediate JAVA, SQL, C#, Javascript, HTML, CSS, OpenCV

Basic VHDL, Verilog, UML, Arduino, MATLAB, PHP, Assembly

Languages

Arabic **Native Speaker**

English **Proficient**