Badr AlKhamissi

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Education

AMERICAN UNIVERSITY IN CAIRO, CAIRO, EGYPT - BACHELOR OF SCIENCE, SEPTEMBER 2014 - PRESENT

Expecting to graduate in June 2018. Current Cumulative GPA 4.0. Majoring in Computer Science with additional coursework in Engineering and the Humanities.

STONY BROOK UNIVERSITY, NEW YORK, UNITED STATES - SEMESTER ABROAD, FALL 2016

Studying abroad for a semester during Fall 2016 in SBU.

MANOR HOUSE SCHOOL, CAIRO, EGYPT - JUNE 2014

International General Certificate of Secondary Education - Advanced Levels in Computing, Mathematics and Arabic (A*, A, A) and Advanced Subsidiary Levels in Physics and Chemistry (A, A).

Experience

MACHINE INTELLIGENCE RESEARCH ASSISTANT, VKANSEE, CAIRO, EGYPT - JULY 2018 - CURRENT

Working part-time as a machine intelligence research assistant in biometrics for Vkansee

STUDENT, DEEP LEARNING SUMMER SCHOOL, TSINGHUA UNIVERSITY, BEIJING, CHINA- JULY 2017

Two weeks of thorough training of deep learning, covering many applications in Computer Vision, NLP, Knowledge Graph, Social Media Analysis, Multimodal Analysis and Robotics.

CREATIVE CODER, MYCELIAL PROJECT, CAIRO, EGYPT - MARCH 2017

Working in collaboration with a Chicago based dance and digital art organization to make an interactive live performance taking place both in Cairo and Chicago

SDE INTERN, MICROSOFT ADVANCE TECHNOLOGY LAB IN CAIRO, CAIRO, EGYPT - JUNE TO AUG 2015, JAN 2016

I worked with the Language Understanding Intelligent Service (LUIS) team as a software developer during both of my internships.

UNDERGRAD TEACHING ASSISTANT, AMERICAN UNIVERSITY IN CAIRO, CAIRO, EGYPT - SEP 2015 - JUNE 2016, FALL 2017

Teaching assistant for Programming Fundamentals and Machine Learning courses; Hold regular office hours to help students.

Skills and Awards

LANGUAGES SPOKEN

Native Arabic Speaker, Fluent in English. Basic understanding of French.

PROGRAMMING LANGUAGES

Proficient: C++, Python, Swift, JS, Java, C#, SQL, Matlab, HTML and CSS
Prior Experience: Objective-C, Visual Basic, PHP and Verilog

TECHNOLOGIES

Proficient: iOS Development, AngularJS, Processing, Matlab/Octave, SFML, Xcode, Visual Studio and Git
Prior Experience: Windows Phone, Unity, Arduino, Microsoft.NET, Ruby on Rails, Xilinx, QT

AWARDS

High Achiever in Cambridge AL Computing. Dean's list from Fall '14 till Fall '17. Academic achievement Scholarship. Common Reading Program Essay Contest - Second Place. High Achiever in CS1101 Course in AUC. Abdallah Jum'ah study abroad scholarship. Best Junior award in Stony Brook ACM Regional Qualification Contest. Second Prize in Amazon Alexa Hackathon. Highest-GPA Award for Juniors 2017.

Outstanding Performance Award in Deep Learning Summer School at Tsinghua University. Third Place Amazon Innovation Hackathon 2018.

Projects

Sketch Inversion: Sketch inversion using deep convolutional neural networks to generate photo-realistic images of faces and buildings
Korastak.com: Developed and designed a website that allows students of my university to share their notes and documents with others in a simple way.
Scripty: Amazon Alexa skill that teaches children the basics of coding using Natural Language
ARM Thumb Assembler/Simulator: Developing an assembler and simulator of the ARM Thumb ISA under the supervision of the Assembly and Computer Organization professor in AUC, so students taking the course can use it for their assignments and projects.
Photo Generator: Generating a collage from a set of different photos
Tom the Thief: 2D Maze Game using SFML C++

MOVIE
Director of Documentary: "The Cairo of each one of us." Film screened in Cairo Film Festival for Children.

Activities and Volunteering

ACADEMICS COMMITTEE HEAD, COMPUTER SCIENCE AND ENGINEERING ASSOCIATION, CAIRO, EGYPT - SPRING 2017
Head of the academics committee, responsible for organizing academic events and workshops.

ORGANIZER, CREATIVE CODING CAIRO, CAIRO, EGYPT - JULY 2016 - PRESENT
Co-Founded Creative Coding Cairo under FabLab Egypt. Organize monthly meet ups for the community.

COMPETITOR, ACM, ALEXANDRIA, EGYPT - NOVEMBER 2015
Competitor in the 2015 Egyptian Collegiate Programming Contest (ECPC).

ORGANIZER, COMPUTER SCIENCE AND ENGINEERING ASSOCIATION IN AUC, CAIRO, EGYPT - FALL 2015 - SPRING 2016
Member in the academic and entertainment committees, assist in organizing workshops, sessions and talks related to different fields in Computer Science and Engineering. Organize trips and events for the CSCE department at AUC.

ORGANIZER, ASTRONOMY CLUB IN AUC, CAIRO, EGYPT - FALL 2014
Member of the academic committee in the astronomy club, assisted in the organization of the 2nd Astronomy Conference in AUC.

VOLUNTEER, DOUM CULTURE FOUNDATION, CAIRO, EGYPT - SEPTEMBER 2012 - MAY 2016
Developed a Database System for the Organization using MS Access VB and SQL. Sending HTML emails for Doum's News-list. Managing their website and their digital presence. Volunteer in organizing some of their workshops and cultural events.

DELEGATE, CISV, PARIS, FRANCE - SUMMER 2010
A member of the Egyptian delegation who participated in organizing a summer camp in Paris, basing activities on 4 educational pillars; diversity, conflict resolution, sustainable development and human rights through experiential learning.

JURY OF LONG AND SHORT FILMS IN CAIRO INTERNATIONAL FILM FESTIVAL FOR CHILDREN, EGYPT - 2007,2008,2010
A member of the children jury delegation of long and short films, our role was to select a winner for each prize in the film festival.