

AHMED GAMAL ELMAHY

PERSONAL DATA

PLACE AND DATE OF BIRTH: EGYPT | 21 SEPTEMBER 1993
ADDRESS: 4 TEBA ST, CAMP SHEZAR, ALEXANDRIA, EGYPT
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EDUCATION

2008 - 2011 EZZAT EL NEMR HIGH SCHOOL, ITAY EL BAROUD, BUHIRA GOV., EGYPT
2012 - NOW MBBCH, FACULTY OF MEDICINE, ALEXANDRIA UNIVERSITY, ALEXANDRIA, EGYPT
2012 - 2014 (BASIC MEDICAL SCIENCES)
2015 - NOW (MEDICINE AND SURGERY)

CLINICAL RESEARCH EXPERIENCE

OCT 2016 - NOW PARTICIPATED IN THE FOUNDATION OF THE EGYPTIAN CANCER RESEARCH NETWORK, AND THEN AN INTERN AT THE ALEXANDRIA UNIVERSITY CANCER RESEARCH CLUSTER WHERE I OBSERVE RESEARCH HAPPENING ON THE NATIONAL LEVEL AND I ALSO TRAIN ON WET AND DRY LAB SKILLS
SUPERVISOR: DR NOHA AWAD MPH FROM UNIVERSITY OF MANCHESTER, PHD FROM UNIVERSITY OF LEEDS EMAIL : NOHA.AWAD@HIPH.ALEX.EDU.EG ; PHONE: (20)1112287247
EGYPTIAN CANCER RESEARCH NETWORK EMAIL : ECRN@ALEXU.EDU.EG

JUNE 2016 - NOW INTERN AT EGYBIOTECH COMPANY (A LEADING CANCER RESEARCH COMPANY IN EGYPT)
PARTICIPATED IN MANY EVENTS AND IN DATA COLLECTION, DATABASE DESIGN AND DATA ENTRY IN MANY STUDIES CONDUCTED BY THE COMPANY SUCH AS THE CLINICAL TRIAL : "DEVELOPMENT AND VALIDATION OF LIVER CANCER AUTOIMMUNE ASSAY"
WEBSITE: <http://egybiotech.com/index.php/our-team>
(MY BIOGRAPHY IS INCLUDED IN THE TEAM PAGE)

NOV. 2015- JAN 2016 BIostatISTICS TRAINING AT THE HIGH INSTITUTE OF PUBLIC HEALTH, ALEXANDRIA UNIVERSITY, ALEXANDRIA, EGYPT.
SUPERVISOR: PROF. SHEHATA FARAG, BIostatISTICS DEPARTMENT, HIPH, ALEXANDRIA UNIVERSITY, ALEXANDRIA, EGYPT. PHONE: (20)1227098919 EMAIL: SHEHATAFARAG@YAHOO.COM

2014 - 2015 DURING MY COMMUNITY MEDICINE ROTATION, MY RESEARCH WAS CENTERED AROUND USING THE INTERNET TO EXPLORE HEALTH BEHAVIORS AMONG SEXUAL MINORITIES THAT ARE NOT REACHABLE THROUGH TRADITIONAL METHODS. MY PAPER IS PENDING PEER REVIEW.

SUPERVISOR: PROF. HEBA EL-WESHAHI, COMMUNITY MEDICINE
DEPARTMENT, ALEXANDRIA UNIVERSITY PHONE:
(20)1222296405 EMAIL: ELWESHAHI2006@YAHOO.COM

COMPUTER SCIENCE

4.1 PROGRAMMING

PROGRAMMING IS MY GENERAL PURPOSE TOOL FOR IMPROVING HEALTH AND CONDUCTING INOVATIVE RESEARCH

LANGUAGE	EXPERIANCE
R	<p>MORE THAN 4 YEARS EXPERIENCE, WORKED WITH SEVERAL PACKAGES FOR STATISTICS, DATA SCIENCE AND GRAPHING INCLUDING DPLYR AND GGLOT2.</p> <p>DESIGNED A SCRIPT FOR MY MEDICAL SCHOOL TO SOLVE AN EDUCATIONAL PROBLEM. IT'S AVAILABLE ON MY GITHUB PAGE: https://github.com/ahmedelmahy/elective</p> <p>SHINY SHOWCASE PROJECTS : https://alexf.shinyapps.io/firstshiny2/ https://alexf.shinyapps.io/diagnosis_shiny/</p>
PYTHON	<p>MORE THAN 3 YEARS EXPERIENCE WITH OBJECT ORIENTED PROGRAMMING, REGEX, WEB SCRAPPING.</p> <p>USED MANY ALREADY DEVELOPED LIBRARIES FOR FACILITATING RESEARCH SUCH AS SDAPS FOR (AUTOMATIC DATA ACQUISITION SYSTEM FOR PAPER SURVEYS)</p> <p>SHOW CASE PROJECTS: https://github.com/ahmedelmahy/webscrapping_showcase</p>
C AND C++	<p>STARTED LEARNING C AND C++ A YEAR AGO. MADE SOME SIMPLE QT GUI APPLICATIONS. C++ IS MY PREFERED LANGUAGE AND I INTENDED TO SPEND MORE TIME WITH IT.</p>
PROLOG	<p>SPENT 6 MONTHS TO LEARN LOGIC PROGRAMMING. DEVELOPED SOME SIMPLE MEDICAL EXPERT SYSTEMS.</p>
NETLOGO	<p>SPENT 3 MONTHS TO LEARN AGENT BASED MODELLING (ABMs) WITH NETLOGO. DEVELOPED SOME SIMPLE ABMs IN THE LANGUAGE</p>
DATABASES	<p>ADVANCED USE OF MS ACCESS (DEVELPED AND MAINTAINED DATABASES WHILE INTERNING AT THE EGYPTIAN CANCER RESEARCH NETWORK)</p> <p>MYSQL AND INCLUDED SQLITE IN MANY OF MY PROJECTS</p>
APIs	<p>WORKED WITH FACEBOOK AND TWITTER APIs</p>

4.2 OPEN SOURCE WORLD

I AM A BIG FAN OF THE OPEN SOURCE MOVEMENT. I USE LINUX AND OPEN SOURCE TOOLS MAINLY, HOWEVER I ALSO USE COMMERICAL SOFTWARE AND WINDOWS TO FACILITATE CONTACT WITH MY RESEARCH TEAM AT MY COUNTRY. I ALSO PARTICIPATE IN DISCUSSIONS ABOUT OPEN SOURCE DATA AND SOFTWARE AND I AM ALSO ACTIVE ON GITHUB, MAILING LISTS AND STACKEXCHANGE

	\LaTeX	MORE THAN THREE YEARS EXPERIENCE (THIS CV AND ANY UPLOADED PROJECT FILES ARE WRITTEN IN \LaTeX)
CITATION SOFTWARE:		MENDELEY, ENDNOTE, ZOTERO (ON LINUX)
TYPING SPEED:		55 WORDS PER MINUTE.
TEXT RETRIEVAL AND ANALYSIS:		ABILITY TO USE GOOGLE SCHOLAR, PUBMED, EMBASE, WEB OF KNOWLEDGE WITH FACETED SEARCH, SEARCH TERMS AND REGULAR EXPRESSIONS .
OTHER SOFTWARE		MICROSOFT OFFICE (ALL) , GIMP (FOR IMAGES), SCRIBUS (BRUCHURE DESIGN), SPSS (NO LONGER NEED TO USE IT, R IS MY WAY FOR DATA ANALYSIS), VISUAL BASIC

4.3 STATISTICS

I AM INTERESTED IN THE COMPUTATIONAL ASPECT OF STATISTICS. I ALWAYS FOLLOW KAGGLE DATA SCIENCE COMPETITIONS AND LEARN A LOT FROM THE AVAILABLE KERNELS. I HAVE EXPERIENCE WITH THE FOLLOWING:

GENERALIZED LINEAR MODELS (GLMs) USING THE GLM AND LME4 PACKAGES IN R
 DIMENTION REDUCTION USING LASSO, RIDGE AND PCA REGRESSION
 NON LINEAR MODELS SUCH AS BOOSTING, RANDOM FORESTS, SUPPORT VECTOR MACHINES
 UNSUPERVISED LEARNING TECHNIQUES SUCH AS PCA AND CLUSTERING
 MARCOV CHAIN MONTE CARLO USING STAN. DEVELOPED SIMPLE MULTI-LEVEL MODELS AND I EXPECT TO DO MORE

CERTIFICATES

CONTINUED EDUCATION THROUGH MASSIVE OPEN ONLINE COURSES(MOOCs).
 BELOW IS A LIST OF THE COURSES I FINISHED AND RECIEVED A CERTIFICATE FOR
 ON THE COURSERA AND STANFORD ONLINE PLATFORMS; HOWEVER, I HAVE
 STUDIED MORE THAN THAT, BUT DIDN'T PAY FOR A CERTIFICATE:

CLINICAL RESEARCH

DESIGN AND INTERPRETATION OF CLINICAL TRIALS BY JOHNS HOPKINS UNIVERSITY ON
 COURSERA. CERTIFICATE EARNED ON JULY 15, 2016

INTRODUCTION TO SYSTEMATIC REVIEW AND META-ANALYSIS BY JOHNS HOPKINS
 UNIVERSITY ON COURSERA. CERTIFICATE EARNED ON JULY 19, 2016

DATA SCIENCE AND STATISTICS

THE DATA SCIENTIST'S TOOLBOX BY JOHNS HOPKINS UNIVERSITY ON COURSERA.
 CERTIFICATE EARNED ON MARCH 30, 2016

FRAMEWORK FOR DATA COLLECTION AND ANALYSIS BY UNIVERSITY OF MARYLAND,
 COLLEGE PARK. CERTIFICATE EARNED ON SEPTEMBER 22, 2016

R PROGRAMMING BY JOHNS HOPKINS UNIVERSITY ON COURSERA. CERTIFICATE EARNED
 ON MARCH 31, 2016

GETTING AND CLEANING DATA BY JOHNS HOPKINS UNIVERSITY ON COURSERA.
CERTIFICATE EARNED ON MARCH 31, 2016

EXPLORATORY DATA ANALYSIS BY JOHNS HOPKINS UNIVERSITY ON COURSERA.
CERTIFICATE EARNED ON MAY 27, 2016

STATISTICAL INFERENCE BY JOHNS HOPKINS UNIVERSITY ON COURSERA. CERTIFICATE
EARNED ON MARCH 16, 2016

BAYESIAN STATISTICS: FROM CONCEPT TO DATA ANALYSIS BY UNIVERSITY OF CALIFORNIA,
SANTA CRUZ ON COURSERA. CERTIFICATE EARNED ON OCTOBER 2, 2016

COMPUTER SCIENCE FOR DATA MANAGEMENT

PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON) BY UNIVERSITY OF
MICHIGAN ON COURSERA. CERTIFICATE EARNED ON MARCH 24, 2016

PYTHON DATA STRUCTURES BY UNIVERSITY OF MICHIGAN ON COURSERA. CERTIFICATE
EARNED ON MAY 6, 2016

USING PYTHON TO ACCESS WEB DATA BY UNIVERSITY OF MICHIGAN ON COURSERA.
CERTIFICATE EARNED ON MAY 22, 2016

USING DATABASES WITH PYTHON BY UNIVERSITY OF MICHIGAN ON COURSERA.
CERTIFICATE EARNED ON JUNE 9, 2016

MACHINE LEARNING

MACHINE LEARNING FOUNDATIONS: A CASE STUDY APPROACH BY UNIVERSITY OF
WASHINGTON ON COURSERA. CERTIFICATE EARNED ON MARCH 26, 2016

STATISTICAL LEARNING COURSE PROVIDED BY STANFORD ONLINE, TAUGHT BY TREVOR
AND HASTIE. STATEMENT OF ACCOMPLISHMENT WITH DISTINCTION EARNED ON
APRIL 6, 2017

ENGLISH WRITING SKILLS

GRAMMAR AND PUNCTUATION BY UNIVERSITY OF CALIFORNIA, IRVINE ON COURSERA.
CERTIFICATE EARNED ON FEBRUARY 21, 2016

GETTING STARTED WITH ESSAY WRITING BY UNIVERSITY OF CALIFORNIA, IRVINE ON
COURSERA. CERTIFICATE EARNED ON NOVEMBER 14, 2016

GENOMIC DATA SCIENCE

INTRODUCTION TO GENOMIC TECHNOLOGIES BY JOHNS HOPKINS UNIVERSITY ON
COURSERA. CERTIFICATE EARNED ON FEBRUARY 13, 2016

GENOMIC DATA SCIENCE WITH GALAXY BY JOHNS HOPKINS UNIVERSITY ON COURSERA.
CERTIFICATE EARNED ON MARCH 16, 2016

LANGUAGES

ARABIC: NATIVE SPEAKER
ENGLISH: EXCELLENT (EXCELLENT SCIENTIFIC WRITING AS WELL)
FRENCH: BASIC KNOWLEDGE (STUDIED FRENCH AT HIGH SCHOOL)
GERMAN: WORKING KNOWLEDGE (A2)

PERSONAL SKILLS

I AM VERY SERIOUS AND DEDICATED TO WHAT I LOVE. I LOVE MEDICINE AND COMPUTER SCIENCE. I SPEND MANY HOURS IN LAB VOLUNTERLY JUST BECAUSE I LOVE THE PLACE AND I LOVE SCIENCE. I HAVE GOOD PRESENTATION AND DEBATE SKILLS. I'VE GOT INVOLVED IN THE EVOLUTION- INTELLIGENT DESIGN DEBATE IN MY COUNTRY. I ALSO TRANSLATED A BOOK RELATED TO THE TOPIC TO ARABIC.

INTERESTS AND ACTIVITIES

- SUPPORTER OF SEXUAL MINORITIES RIGHTS. I AM ALSO AN ADMIN OF THE 'HEALTH SURVEY OF ARAB MEN WHO HAVE SEX WITH MEN' A FACEBOOK GROUP AIMING TO SURVEY HEALTH ISSUES AMONG SEXUAL MINORITIES IN THE MIDDLE EAST. THE GROUP PROVIDES HEALTH AWARENESS AND ONLINE DATA ABOUT MSM IN THE MIDDLE EAST.
- I ENJOY MEETING PEOPLE WITH DIFFERENT CULTURES AND BELIEFS. I AM A VERY GOOD LISTENER
- CURRENTLY, I SPEND MANY HOURS A DAY AT MY SCHOOL TO ATTEND LECTURES AND CLINICAL ROTATIONS, I THEN, GO TO THE OUTPATIENT CLINIC TO LEARN MORE.

PUBLICATIONS

1. TRANSLATED "ICONS OF EVOLUTION BY JONATHAN WELLS" TO ARABIC, DAR EL-KATEB 2015. PUBLISHER CONTACT: INFO@BRAHEEN.COM. A BOOK SAMPLE IS FOUND ON [GOOGLE BOOKS](#)
2. "REACHING EGYPTIAN GAYS USING SOCIAL MEDIA: A COMPREHENSIVE HEALTH STUDY AND A FRAMEWORK FOR FUTURE RESEARCH" UNDER PEER REVIEW AT THE JOURNAL OF HOMOSEXUALITY. WEBSITE:<http://www.tandfonline.com/loi/wjhm20>

MEDICAL AND RESEARCH INTERESTS

IN MEDICINE, I LOVE INTERNAL MEDICINE ESPECIALLY MEDICAL ONCOLOGY. MOST OF THE TIME, I AM PREPARING MYSELF FOR THE MRCP EXAMINATION WHICH I WILL TAKE AFTER GRADUATION. ON THE RESEARCH SIDE, I AM WORKING HARD TO LEARN NEW MODELS EVERYDAY NOT JUST CORRELATIONAL MODELS BUT ALSO SIMULATION AND CAUSATION MODELS.