

AHMED GAMAL ELMAHY

PERSONAL DATA

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

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

CLINICAL RESEARCH EXPERIENCE

OCT 2016 -
NOW PARTICIPATED IN THE FOUNDATION OF THE EGYPTIAN CANCER RESEARCH NETWORK
THEN AN INTERN AT THE ALEXANDRIA UNIVERSITY CANCER RESEARCH CLUSTER
SUPERVISOR: DR NOHA AWAD PHD. UNIVERSITY OF LEEDS
EMAIL : NOHA.AWAD@HIPH.ALEX.EDU.EG ; PHONE: (20)1112287247
EGYPTIAN CANCER RESEARCH NETWORK EMAIL : ECRN@ALEXU.EDU.EG
CURRENTLY, I PARTICIPATE (SUPERVISED BY MY SENIORS) IN THE BIORAD PROJECT
SKILLS: WORKING WITH INTERNATIONAL COLLABORATORS , DATA ENTRY, COMET ASSAY, MONONUCLEAR ASSAY, FLUORESCENCE MICROSCOPY
FOR MORE INFO. ABOUT THE PROJECT PLEASE VISIT: NATO-BIORAD.ORG

JUNE 2016 -
NOW INTERN AT EGYBIOTECH COMPANY (A LEADING CANCER RESEARCH COMPANY IN EGYPT)
WEBSITE: <http://egybiotech.com/index.php/our-team>
(MY BIOGRAPHY IS INCLUDED IN THE TEAM PAGE)
CURRENTLY, I PARTICIPATE (SUPERVISED BY MY SENIORS) IN THE STUDY "DEVELOPMENT AND VALIDATION OF AN AUTOANTIBODY ASSAY FOR EARLY DETECTION OF LIVER CANCER" FUNDED BY ONCIIMMUNE UK. MORE INFO. [HERE](#)
SKILLS: GRANT PROPOSALS, MS ACCESS, DATA COLLECTION, BLOOD SAMPLES TRANSFER

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, ALEXNADRIA,
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

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| LANGUAGE | EXPERIENCE |
| R | MORE THAN 4 YEARS EXPERIENCE, WORKED WITH SEVERAL PACKAGES FOR STATISTICS, DATA SCIENCE AND GRAPHING INCLUDING DPLYR AND GGLOT2. DESIGNED A SCRIPT FOR MY MEDICAL SCHOOL TO SOLVE AN EDUCATIONAL PROBLEM. IT'S AVAILABLE ON MY GITHUB PAGE: https://github.com/ahmedelmahy/elective SHINY SHOWCASE PROJECTS : https://alexf.shinyapps.io/firstshiny2/ https://alexf.shinyapps.io/diagnosis_shiny/ |
| PYTHON | MORE THAN 3 YEARS EXPERIENCE AND WITH REGEX, OOP, GUI..ETC SHOW CASE PROJECTS: https://github.com/ahmedelmahy/webscraping_showcase |
| C AND C++ | STARTED LEARNING C AND C++ A YEAR AGO. I CAN DO OBJECT ORIENTED PROGRAMMING AND HAVE WORKING KNOWLEDGE OF GENERIC PROGRAMMING, QT APPLICATIONS, OPENCV, ITK CURRENTLY, I AM WORKING ON CONNECTING EBIMAGE R PACKAGE WITH OPENCV C++ LIBRARY FOR COMPUTER VISION USING RINSIDE AND RCPP PACKAGES |
| PROLOG | SPENT 6 MONTHS TO LEARN LOGIC PROGRAMMING. DEVELOPED SOME SIMPLE MEDICAL EXPERT SYSTEMS AND LEARNT RECURSION. |
| NETLOGO | SPENT 3 MONTHS TO LEARN AGENT BASED MODELLING (ABMs) WITH NETLOGO. DEVELOPED SOME SIMPLE ABMs IN THE LANGUAGE |
| DATABASES | ADVANCED USE OF MS ACCESS (DEVELOPED AND MAINTAINED DATABASES WHILE INTERNING AT THE EGYPTIAN CANCER RESEARCH NETWORK) MYSQL AND INCLUDED SQLITE IN MANY OF MY PROJECTS |
| APIS | WORKED WITH FACEBOOK AND TWITTER APIS BLOG POST ABOUT FACEBOOK API HERE |

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 COMMERCIAL 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

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| | \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 (BASIC UNDERSTANDING OF THE ALGORITHM AND HOW TO USE ITS IMPLEMENTATION) WITH THE FOLLOWING:

GENERALIZED LINEAR MODELS (GLMs) USING THE GLM AND LME4 PACKAGES IN R
DIMENSION 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 RECEIVED 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 VOLUNTARILY JUST BECAUSE I LOVE THE PLACE AND I LOVE SCIENCE. I HAVE GOOD PRESENTATION AND DEBATE SKILLS. I'VE GOT INVOLVED IN THE EVOLUTION- INTEL- LIGENT 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 HOMOSEXU- ALITY. 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.