Omar Ali Al-Naimi

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PURPOSE

Data science specialist: Subject matter experience in medicine, clinical and lab research, health care management, and epidemiology.
Data science tools: Programming languages - Python, R, SQL, and Linux.
Business Intelligence tools: Microsoft office, Tableau, and Microsoft BI desktop.
Data science projects: Regression model development and maintenance for predicting hospital readmission, medical claim fraud, and people at risk of acquiring chronic diseases (project on obesity).
Soft skills: Strategic thinking, problem framing, teamwork, stress management, and inter-disciplinary communication.

EDUCATION

Capella University
Doctoral program in Public Health (Epidemiology), April 2015

The University of Illinois at Chicago
Biomedical and Health Informatics Master Degree, August 2014 (GPA 3.7)

- The Master of Science in Health Informatics coursework emphasizes the analysis, implementation and ongoing management of the critical factors that impact the successful selection and use of health care information technologies

The University of Baghdad / Medical College
MD Degree (M.B.CH.B), July 1995, (GPA 3.05)

The University of Texas at Austin
Health Informatics and Health Information Technology Certificate, Spring 2015

- Intensive 9 week program with coursework including: Introduction to Health Informatics; Fundamentals of Health IT; Operational Models of Healthcare Practice; Workflow, Process Redesign and Project Management; and Electronic Health Records and Health Information Exchange laboratory
- Hands-on experience with EHRs, including Allscripts, athenahealth, Cerner, eClinicalWorks, e-MDs, Greenway; HIEs including Orion and ICA; LabCorp orders and results; STC immunization registry; HL7 message creation; data analytics (MS SQL Server and Access); EHR data structure and configuration
- 10-day practicum experience at industry, government, or healthcare organization
- Creation and presentation of a health informatics and health IT research project

CERTIFICATIONS

Springboard: Data Science Certificate, 2017

Digital iTechnology: Server administration (Linux).

Hopkins University: Data scientist's Toolbox, July 2015

Peking University
Bioinformatics: Introduction and Methods certificate, December 2014

- The concepts and computational methods in the exciting interdisciplinary field of bioinformatics and their applications in biology
- The course includes twelve unites that cover the following: Introduction and history, Sequence alignment, Sequence database search, Markov Model and Hidden Markov Model, Next generation sequencing(NGS): reads mapping & variants calling, Functional prediction of genetic variants, NGS RNA-Sequences and transcriptome analysis, Prediction and analysis of noncoding RNAs, Ontology and pathway identification, Bioinformatics' database and software resources, Case study I--Origination and evolution of new genes, Case study II--Evolution function analysis of DNA methyltransferase

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Hopkins University

Case-Based Introduction to Biostatistics certificate, September 2013

- The course is organized into 3 self-contained modules.
- The first module reviews the scientific method and the role of experimentation and observation to generate data
- The second and third modules are built around an important health problem

The City University of New York

Biostatistics using R programming language and JMP credited course, May 2013

- The course teach the fundamentals of Biostatistics and conducting statistical analysis using R language and JMP

The Allied Business Schools, Inc.

Electronic Health Records Certificate, January 2013

- The McKesson EHR was used for the purpose of the certificate

The Iraqi National Center of High Studies

Computer and Information Technology Certificate, April 2001

EXPERIENCE

Prior Authorization Specialist, Accenture, Austin, TX 12/2015-Present

- Authorizing medical service using Phoenix program.
- Conducted action research on workflow, discovered hidden problems, reduced required work hours.
- Proposed method for improving letters generation, reduced the required time 75%, and the errors to almost 0%.
- Experiment design, and action research.
- Analytics and reporting using Microsoft office.

Debugger, Assembler and computer troubleshooting, Flextronics, Austin, TX 2013-2014

Research Assistant, Columbia University, New York, NY 02/2011- 02/2012
Behavioral and experimental therapeutics experiments, collected, analyzed data, prepared presentations.

Research Assistant, CUNY Research Foundation, New York, NY 10/2008- 06/2012
Created study design, conducted rat surgery, collected, analyzed, and reported arterial and nerve data, taught, trained and supervised the students, prepared of posters and Information for seminar presentation.

Research Assistant, Lehman College/CUNY, New York, NY 01/2008-present
Designed experiments, collect and analyzed data, prepared the articles for Journal Club, taught, trained and supervised the students for Research field.

Clinical Research, Al-Rasheed Military Hospital, (Iraq) 01/2000- 04/2003 Collected and organized data for different projects.

Business owner and manager, ALDIYA for Electronics, Iraq 1990-2003

PUBLICATIONS

- **Simonelli, L.A., Delevan, C.J., Al-Naimi, OA., and Bamshad, M. (2010). Female tactile cues maximize paternal behavior in prairie voles. *Behavioral Ecology and Sociobiology*. Behav Ecol Sociobiol (2010) 64:865-873.**
- **Muntzel, M.S., Al-Naimi, OA., Barclay, A., and Ajasin, D. (2012). The cafeteria diet increases fat mass and chronically elevates lumbar sympathetic nerve activity in rats. *Hypertension*. doi: 10.1161/HYPERTENSIONAHA.112.194886**

- **Rodriguez NA, Legzim KM, Aliou F, Al-Naimi OA, and Bamshad M.Does. (2013). mating prevent monogamous males from seeking other females? A study in prairie voles (Microtus ochrogaster). SienceDirect. Doi: doi: 10.1016/j.beproc**