**Omar Ali Al-Naimi**

**Phone: 917-684-4888**

**E-mail:** oalnaimi@capellauniversity.edu

**LinkedIn:** https://www.linkedin.com/in/omar-al-naimi-a2121130/

**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 and classification model development and maintenance for predicting hospital readmission, medical claim fraud, and people at risk of acquiring chronic diseases (projects on obesity, hypertension, and stress).

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 2007, (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 Follow, 2017

**Digital iTechnology:** Server admin (Linux) Follow, 2016

**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 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 Allied Business Schools, Inc.**

Electronic Health Records Certificate (McKesson HER), January 2013

**The Iraqi National Center of High Studies**

Computer and Information Technology Certificate, April 2007

**EXPERIENCE**

**Analyst Specialist, Accenture for Google**, Austin, TX 09/2017-Present

* Machine Learning project for YouTube.
* Developing and applying policies.
* Identifying videos those against policies.
* Training different machine learning algorithms and testing them on labeled videos.
* Evaluating, improving, and maintaining different algorithms for future use.

**Prior Authorization Specialist, Accenture**, Austin, TX 12/2015-09/2017

* 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 0%.
* Experiment design, and action research.
* Analytics and reporting using Microsoft office.

**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.

**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**