

OBJECTIVE

Data Science: Data Scientist / Analyst / Engineer / Curator; Director, Manager, Supervisor, Trainer, Mentor

IT SKILLS

Specialized Apps: Data Mining & Statistics (R, Python), Database (Oracle, SQLite, SQL Server), Git
 Database: Oracle/PostgreSQL Enterprise Manager, Data Dictionary/Modeler/Miner/Loader
 Communication: Team leadership, Supervision, Public speaking, Manuscript, Photography, Video, Jupyter
 Programming: SQL, PL/SQL, R, Python, PHP, HTML/CSS/JavaScript, Bash, SAS, C/C++ (gcc, g++)
 Database Objects: Link, Key, Trigger, Index, Package, Sequence, Function/Procedure, Table, View
 OS's / Servers: Linux and BSD (OS X) with Bash, Windows / Apache, Samba, Fedora, Ubuntu, Hyper-V
 Networking: Architecture, Standard, Protocol, TCP/IP, HTTP, WebDAV, LDAP, AWS, Azure, GCP

WORKING GROUPS

Member: 1. NCI caBIG Nanotechnology, 2. US-EU NanoEHS CoR, 3. DoD ESOH Nanomaterial

WORK HISTORY

Microsoft Corporation, Redmond, WA, Ph.D., Delivery Data Scientist, 40 hrs/wk, 06/2019-present

- Data scientist delivering business solutions on DoD cloud / on-premise using Azure ML, Python, R, SQL, Git

Army Analytics / U.S. Army, Monterey & Fairfield, CA, Ph.D., Data Scientist, 40 hrs/wk, 02/2016-06/2019

- Health data scientist conducting research studies on DoD data using Linux, Oracle/SQL, Python, R, SAS, Git
- Development of the Army cloud / enterprise data warehouse with ETL, DBA, System Admin, DISA STIG
- Database UPENN/RWJF AWS Oracle instance; accounts, user, data, privilege, role, link; dml/ddl/dcl/tcl
- Statistic; frequentist (para/nonparametric), bayesian, descriptive, inferential, predictive, bootstrap, permutation
- Python / R; supervised (regression, classification), unsupervised (cluster, factor), time series, neural network

Oregon State University, Corvallis, OR, PhD Student / Instructor, 40 hrs/wk, 09/2007-01/2016

- Instructor & GTA for H220 Biostatistics, GTA for H580 Biostatistics: R, SQL, Python, Bash, Git, scripting
- Laboratory research in agent—biological interactions. Working with the Zebrafish model to investigate agent (physical, chemical, nanomaterial) biological interactions; Assays, Analytics, Informatics, Visualization (plotly)
- Manage SQLite and MySQL databases; terabytes of data; real time acquisition, pipeline analytics bash/python

U.S. Air Force, Travis Air Force Base, CA, OIC BEE Engineering, 10 hrs/wk, 06/2005-present

- Perform supervise for 349th and 60th Medical Squadron. Reserve duty, Lt Col, OIC, Active clearance
- DoD Defense Occupational & Environmental Health Readiness System (DOEHRS) database. DGMC

Department of Defense (DoD) DMDC, Monterey, CA, Research Fellow, 40 hrs/wk, 06/2003-12/2006

- Architecture, Design, Development and Implementation of online web applications and databases utilizing Oracle, Apache, LDAP and CAC technology. Web and Database development. Data Warehouse and Mining. Security. Program and test in SQL, PL/SQL, HTML, PSP, HTTP. Data Normalization. Dimension/fact tables
- Designed and implemented the Information Delivery System (IDS) Application Oracle package and API

Oracle Corporation, Redwood Shores, CA, Senior IT Business Manager, 40 hrs/wk, 09/2000-09/2001

- Supporting Education, Marketing, and Platform Technologies line of business for Global IT including Americas, EMEA, and APAC regions. Working with senior level managers to implement change and provide the infrastructure for Oracle's lines of business. Global IT consolidation. Data center operations

EDUCATION AND TRAINING

PhD Public Health (Biostatistics, Toxicology)

BS (Post-Bac) Applied Computing (TMAC)

MS Industrial Engineering (with Thesis), BS (AE)

CompTIA Security+ (SY0-501) certification

Microsoft certification (DP-100)

Microsoft certification (70-761, 70-762)

CompTIA Linux+ & LPIC-1 (4.0) certification

Security trained and cleared: CAC & PIV / TWIC

Oregon State University, Corvallis, OR, 12/2015

California State University, Seaside, CA, 05/2005

Oregon State University, Corvallis, OR

DoD 8140-01 IAM-I/IAT-II compliant, 04/2018

Azure data scientist (07/2019)

MS SQL Server T-SQL & developer, projected by 2020

DoD 8140-01 CE compliant, projected by 2021

Department of Defense / Homeland Security