

# Ryan L. Buchanan

## Data Analyst - Data Scientist

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## Objective

I am a passionate Data Analyst and Data Scientist with an emphasis in Machine Learning. I am enthusiastic, highly self-motivated and enjoy presenting informative, meaningful data to decision makers and stakeholders. I'm eager to begin at entry level, quickly understand relevant datasets and implement industry-standard best practices. I look forward to working with motivated project teams to create the best possible applications, products and services.

## Professional Summary

- 7+ years in IT industry and 3+ years of working with data as business intelligence analyst and ETL developer
- Extensive experience that combines business strategy with statistical, mathematical and predictive modeling knowledge, mentoring and teaching skills, coding and experience providing on-time data to clients and customers
- Strong analytical skills with the ability to collect, organize, analyze and disseminate significant amounts of information with attention to detail and accuracy
- Highly skilled in interpreting data, analyzing results, finding trends using statistical techniques and presenting findings effectively
- Experience in designing accurate and scalable prediction algorithms
- Fluency in programming languages: Python and SQL
- Experience in PostgreSQL Server
- Experience creating and presenting dashboards using Tableau
- Expertise working as data analyst in identifying trends and business needs
- Demonstrated expertise utilizing ETL tools, ETL package design and RDBMS like SQL Servers
- Technical knowledge of data models, database design, data mining and segmentation techniques
- Following Scrum methodology of working Agile
- Knowledge and experience in CLI, Git, GitHub, R, HTML, CSS, JavaScript and MS Excel
- Knowledge and experience in XML, Java for Android Dev, C# and Unity/Unreal 3D engines for VR Development

## Experience

### VR Dev Kids - VR Development & EdTech Implementation

CEO, Virtual Reality Design and VR Development Instructor

Salt Lake City, UT

1/2016 - 07/2020

- Trained students, teachers & administrators to develop & integrate VR EdTech tools.
- Built a business model to create EdTech startup
- Built necessary database for public school clients as well as students enrolled in VR Dev Kids courses

**Raytheon - Royal Saudi Air Defense Force**

English Language Instructor - Technology Implementation Specialist  
Jeddah, Saudi Arabia

6/2015 - 12/2015

- Trained adult male cadets
- Integrated digital tools, including Samsung Gear VR
- Taught technical English courses

**Higher Institute for Water and Power Technology**

English Language Instructor - Technology Implementation Specialist  
Rabigh, Saudi Arabia

4/2013 - 5/2015

- Taught technical English courses
- Integrate tablet technology

**Haikou Haizhinan School**

English Language Instructor  
Haikou, China

8/2010 - 3/2012

- Taught English courses
- Guided calisthenics

**Zunyi Medical College - Mobicool Electronics**

English and Business Instructor - Curriculum Designer  
5/2009 - 7/2010

Zhuhai, China

- Taught technical English courses
- Offered weekly yoga instruction

**Changzhou Textile Garment Institute**

English and Literature Instructor  
Changzhou, China

9/2007 - 7/2008

- Taught technical English courses

**Independent Law Office**

Business Manager and Law Clerk  
Eureka, CA, USA

3/2003 - 6/2006

- Built accounting system
- Perform legal secretarial services

**United States Army**

Specialist Linguist - Arabic and French  
Monterey, CA, USA

9/1996 - 6/2000

- Trained with Arabic and French professors at the Defense Language Institute

## **Education**

### **Master of Science - Data Analytics**

Western Governors University - GPA 4.0  
SLC, UT, USA  
12/2020 - 12/2021

### **Master of Education - Instructional Design & Educational Technology**

University of Utah - GPA 3.97  
SLC, UT, USA  
9/2016 - 5/2018

### **Cambridge University Certification for Teaching English to Adults (CELTA)**

BridgeTEFL  
Denver, CO, USA  
2/2013

### **Master of Business Administration - Economics**

Humboldt State University - GPA 3.61  
Arcata, CA, USA  
9/2003 - 8/2005

### **US Army Linguist, Arabic & French**

US Army Defense Language Institute  
Presidio of Monterey, CA, USA  
1/1997 - 4/1999

### **Study Abroad - British philosophy, politics & literature**

Cambridge University  
Cambridge, UK  
6/1995 - 6/1996

### **Bachelor of Science - English & Psychology**

Weber State University - GPA 3.68  
Ogden, UT  
9/1994 - 6/2000

## **References**

### **Dan Estes**

Program Mentor - College of IT, Western Governors University  
[dan.estes@wgu.edu](mailto:dan.estes@wgu.edu)

### **Allison Spencer**

Utah STEM Foundation Director - Utah STEM Action Center  
[aspencer@utah.gov](mailto:aspencer@utah.gov)

### **Alison Sturgeon**

STEM Program Manager - Hill Air Force Base  
[alison.sturgeon.1@us.af.mil](mailto:alison.sturgeon.1@us.af.mil)

### **Morris V. Melotti**

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