

# Ryan L. Buchanan, MBA, MS Data Analytics

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## Professional Summary

I am a data analyst (statistical modeling and machine learning modeling), business analyst and technical instructor with 15+ years of experience in training models, business development and administration in corporate and community settings. Served across multiple industries including technology, education, and military. Enthusiastic, highly self-motivated and enjoy presenting informative, meaningful data to decision makers and stakeholders. I'm eager to work with motivated project teams to quickly understand relevant datasets and implement industry-standard best practices to create the best possible applications, products, and services. I also enjoy mathematics, watercolor painting, diving, yoga, and physical fitness in my free time.

## Areas of Expertise - <https://github.com/RyanLBuchanan>

- Excellent problem solving and critical thinking skills.
- Excellent computer and IT skills, MS Word, MS Excel, MS PowerPoint.
- Excellent verbal and written communication skills.
- Excellent time management skills.
- Excellent presentation skills for large and small audiences, with the ability to quickly troubleshoot software and equipment technology.
- Excellent development, implementation, and evaluation skills with a variety of technical curricula.
- 8+ years in IT industry and 2+ years of working with data as business intelligence analyst and ETL developer
- 10+ years as language, technical and technology instructor for adults.
- Military service (veteran status) and demonstrated self-discipline to plan and prioritize work with successful results.
- 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, MySQL
- 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
- Knowledge and experience in XML, Java for Android Dev, C#, and Unity/Unreal 3D engines for VR Development
- Demonstrated ability to learn and apply linguistic applications: information analysis, public speaking, attention to detailed instructions, written composition in foreign language

## **Professional Experience**

### **Education at Work / Microsoft**

Microsoft Tech Support Ambassador

Salt Lake City, UT

2/2022 - Present

- Tech support for IT professionals with Microsoft Office 365

### **VR Dev Kids LLC**

Business Analyst, Founder, Executive Officer, Software Developer, Instructor

Salt Lake City, UT

1/2016 - 1/2022

- Office administration and support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.
- 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
- Developed Unity Engine VR software using Python, JavaScript, C#
- Built and maintained VR Dev Kids websites using CLI, Git, GitHub, Python, R, HTML, CSS, JavaScript

### **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 Virtual Reality
- Taught technical English courses
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.

### **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
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.
- Built and maintained websites using CLI, Git, GitHub, Python, R, HTML, CSS, JavaScript

### **Haikou Haizhinan School**

English Language Instructor

Haikou, China

8/2010 - 3/2012

- Taught English courses
- Guided calisthenics
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.

### **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
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.

### **Changzhou Textile Garment Institute**

English and Literature Instructor

Changzhou, China

9/2007 - 7/2008

- Taught technical English courses
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.

### **Independent Law Office**

Business Manager and Law Clerk

Eureka, CA, USA

3/2003 - 6/2006

- Built accounting system
- Administrative assistant
- Office support with computer and IT skills, Microsoft Outlook, Word, Excel, PowerPoint.
- Perform legal secretarial services

### **United States Army**

Specialist Linguist - Arabic and French

Monterey, CA, USA

9/1996 - 6/2000

- Trained with Arabic and French linguists at the Defense Language Institute
- Learned discipline and rapid problem-solving skills
- Demonstrated ability to rapidly learn and apply multiple linguistic abilities including information analysis, public speaking, attention to detailed instructions, writing composition of foreign language

## **Education**

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

Western Governors University - GPA 4.0

SLC, UT, USA

12/2020 - 3/2022

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

University of Utah - GPA 3.97

SLC, UT, USA

9/2016 - 5/2018

### **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****DJ Frandsen**

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Mentor - Software Engineering Manager at UMB Fund Services  
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**Allison Spencer**

801-538-5800  
Utah STEM Foundation Director - Utah STEM Action Center  
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**Alison Sturgeon**

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**Morris V. Melotti**

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