

# Xian Feng Liang

Entry-level data analytics professional who is a Microsoft Certified Data Analyst Associate and currently completing the Google Data Analytics Professional Certificate

Transitioning from a career in higher education in Mathematics and seeking a full-time role in the field of data analytics

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7710 Crocker Drive, Apt 214  
Raleigh, North Carolina 27615  
(270) 293-5898  
xianfeng.bz@gmail.com

## Technical Skills

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**SQL** – Writing complex queries, Triggers, Window functions, Aggregations, JOINS, Data definition and manipulation, Transactional control, Data cleaning and exploration

**Python** – Pandas, Numpy, Data visualization with Seaplot and Matplotlib, Web scraping, Data cleaning, exploration and analysis

**R** – Statistical data analysis, Descriptive statistics, Linear modeling, ANOVA, Data visualization with ggplot2, Data cleaning and manipulation using dplyr package

**Data visualization** – Creating interactive reports and dashboards in Tableau and Power BI

**Excel** – VLOOKUPS and HLOOKUPS to filter or consolidate data, Pivot tables, Conditional formatting, Macros, Data analysis and visualization

## Experience

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December 2018 – January 2020

**Assistant professor of Mathematics - Community College of Denver**

- Collaborated with faculty to successfully design, code, test, and launch materials to a free online homework platform for college students
- Effectively presented high level mathematical concepts – through meticulously planned lessons – to students of varying demographics, ultimately resulting in a significant increase in students' pass rates

June 2017 – July 2017

**Project Lead - Quad Innovation Alliance**

- Through the use of behavioral economics via data visualization and small-scale A/B testing, my team and I successfully developed and presented an innovative and implementable solution for Colorado Springs Utilities to address the issue of peak energy demands

## Education

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2016 - 2018

**Master of Sciences in Applied Mathematics**

University of Colorado - Colorado Springs

## Graduate Coursework

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Scientific Computation using MatLab, Methods of Applied Math, Topology, Stochastic Modeling, Mathematical Modeling, Linear Algebra, Finance and Accounting for Engineering Managers

## Certifications

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- Microsoft Certified Data Analyst Associate
- MySQL for Data Analytics and Business Intelligence
- Google Data Analytics Professional Certificate (In progress)

## Professional Skills

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- Strong analytical skills
- Attention to detail
- Problem solving
- Communication and collaboration
- Adaptable
- Multilingual