

Ty Ray Tinker

tyraytinker@gmail.com • 512-656-4119

151 S State St Apt 1110 • Salt Lake City, UT 84111

[linkedin.com/in/tytinker/](https://www.linkedin.com/in/tytinker/)

<https://www.tytinker.com>

WORK EXPERIENCE

Data Scientist | KeyBank | Remote

Aug 2021-Present

- Collaborating with data engineers and executive stakeholders in a cross-functional Agile environment, conducting end-to-end hypothesis testing, product and performance analytics, data pipeline management, metric creation, and integration of results into other segment's processes
- Leveraging advanced statistics and machine learning to drive new revenue, automate analytical processes, manage performance, influence strategic initiatives, guide high-level decision making, and forecast commercial banking trends on a product team
- Spearheading development of a product recommender system which communicates new sales opportunities within commercial middle markets, leading to increased profitability understanding and client-product penetration, achieving recommendation precision greater than 85%, lead conversion greater than 50%, and more than \$3mm in new pipeline deals attributable to the ML product
- Writing model documentation in coordination Model Risk and Data Governance teams for current active models through rigorous, long-term performance evaluation and stress-testing
- Managing team git workflows, GCP suite, data pipelines, Python and SQL scripts, model refreshes, and intermediate and final output distribution, while coordinating data ingestion/ETL and releases with data supply chain partners and Salesforce UI/UX designers
- Advocating for talent as a mentor in the Key Enterprise Analytics Development program for recent college grad hires, facilitating bi-monthly knowledge shares across the analytics organization, and storytelling at reputable Artificial Intelligence conferences

Business Analyst | KeyBank | Remote

June 2021-Aug 2021

- Built a dynamic grader tool which uses sales pipeline patterns to predict deal revenue, identify and manage outliers, and enable performance management and tracking for product advisors and relationship managers through automated emailed reports
- Enabled sales volume drill-down for sales leaders by developing multiple interactive Salesforce-connected Tableau dashboards
- Revamped tools to improve understanding of product life-cycles, cross-sell patterns, and revenue trends
- Responsible for guiding an intern through the development, testing, release, and evaluation of collaborative filtering machine learning model

Credit Analyst | Broadway Bank | San Antonio, TX

May 2019-Aug 2019

- Analyzed financial stability of 30 bank vendors for bankruptcy risk through individual audited risk assessments, preventing bank losses by flagging risky vendors to Chief Commercial Banking Executives
- Created an analytical screening product which imported financial statements and provided a risk profile through the automation and visualization of key financial indicators
- Redesigned a decade old internship process in coordination with HR leadership, implementing a progress tracking system and increased accountability measures

Economics Intern | Bureau of Economic Geology | Austin, TX

May 2017-Aug 2017

- Tracked advanced statistical and graphical analyses of oil well blocks in the Permian Basin, delivered presentations of regional unemployment, and consolidated information on energy sources throughout Texas and the US
- Evaluated oil well efficiency and energy usage in Texas through multivariate analyses of historical datasets

EDUCATION

University of Colorado Boulder, Leeds School of Business | Boulder, CO

Master of Science in Business Analytics, concentration in Cybersecurity

May 2021

- **GPA: 3.91**
- **Specialized Skills:** Python, SQL, ETL processes, R, Tableau, PySpark
- **Relevant Courses:** Structured and Unstructured Data Analysis/Modeling, Advanced Data Analytics, Security Analytics in Python

Trinity University | San Antonio, TX

Bachelor of Arts in Economics, concentration in Business

May 2020

- **Leadership and Awards:** Student Body President: Managed fair apportionment of \$700,000 student activity fund
- **Relevant Courses:** Information Systems Management, International Economics, Statistics, Accounting

ADDITIONAL INFORMATION

- **Public Speaker:** Invited to speak on recommender systems in production at AI4 2022 (Las Vegas) and snorkel.ai (virtual) conferences
- **Pianist:** Classically trained competition pianist turned improv aficionado
- **Marathoner-to-be:** Currently (struggling through) training for first marathon in Jackson Hole, WY