

Financial systems analyst specializing in financial systems, business analytics, and process automation. Experienced in IBM TM1/Planning Analytics, Salesforce CRM, SQL, and Python. Proven ability to enhance forecasting accuracy, streamline reporting, and optimize cross-department workflows. Transitioned from IT to finance to bridge business and technology. Earned a terminal master's degree at Texas Tech University, integrating econometrics and optimization to drive data-driven decision-making.

WORK EXPERIENCE

Green Brick Partners, Inc.

Plano, TX

Senior Financial Systems Analyst, Finance and Operations

Nov 2024 — Oct 2025

- o Built and automated IBM TM1/Planning Analytics TI processes and business rules, integrating first- and third-party tools (PAW, Excel, FileZilla, Cognos Command Center, Arc, Pulse, TM1py, Git), enabling daily forecasting instead of biannual cycles.
- o Programmatically maintained Planning Analytics OLAP database with 42 cubes, 88 dimensions, and supporting control objects, using MDX, SQL, TurboIntegrator (TI), and TM1 rules across dev, UAT, and production.
- o Developed a land cash flow module with cost-to-complete spreads and payout schedules, cutting forecast preparation time by 50%.
- o Converted mortgage forecasting from Excel to Planning Analytics, improving calculation speed, granularity, and data integration; collaborated with the Controller to enhance accuracy of loan and headcount assumptions.
- o Designed automated, interactive dashboards for financial managers and executives, replacing SSRS reports and reducing board package prep time by 75%.
- o Implemented and managed Git repository for TM1 processes, maintaining version control and SOX/ITGC compliance through automated audit scripts.
- o Optimized Excel-based forecasting templates using Power Query, dynamic arrays, and nested functions to resolve calculation and refresh errors.
- o Automated ETL pipelines for P&L, SGM, GL, KPI, and budget data, improving data accuracy and reducing manual processing.
- o Oversaw Workiva and Land Proforma integrations with TM1, configuring APIs and database mappings.
- o Built proof of concept for TM1-to-Power BI export via Python (TM1py), REST API, and DAX for dynamic visualizations.
- o Documented all Planning Analytics processes, rules, and applications to support governance and team onboarding.

Sales and Marketing Analyst, IT

May 2023 — Nov 2024

- o Administered Salesforce CRM, Marketing Cloud, and Sales Cloud environments; implemented and tested enhancements across dev, UAT, and production.
- o Created Salesforce dashboards, reports, workflows, and automated campaigns, improving visibility for 200+ end users.
- o Cleaned, validated, and deduplicated Salesforce data using regex, SOQL, and Data Loader, increasing data accuracy.
- o Served as system administrator for ERP and business tools (Constellation NEWSTAR, BuildPro, Calendly, DocuSign).

DocuNav Solutions

Frisco, TX

Support Engineer

Jun 2022 — May 2023

- o Built, tested, and deployed Laserfiche document management solutions (Quick Fields, Workflow, Forms) that automated document OCR, extraction, routing, and classification for corporate, legal, and school district clients.
- o Maintained non-clustered SQL servers (stored procedures, task scheduling, SSL/TLS configuration).
- o Managed document- and user-level security via Active Directory and admin consoles.
- o Provided IT support for workstations, laptops, and peripheral devices.

EDUCATION

Texas Tech University, Department of Agricultural and Applied Economics

Lubbock, TX

Master of Science in Agricultural and Applied Economics, GPA: 3.6/4.0

May 2022

- o Relevant coursework: Causal Inference, Optimization, Econometrics I & II, Production Economics, Machine Learning, Macro/Microeconomics.
- o Tools and methods: R (tidyverse), Stata, MATLAB, Python, SAS, \LaTeX ; econometric methods including OLS, IV, DiD, RDD, matching, and clustering.

CEVRO Institute, School of Political Studies

Prague, Czech Republic

M.A. in Political Science, Philosophy, and Economics (PPE)

Jun 2019

Scholarship: Full Tuition for Academic Excellence

University of Michigan, College of Literature, Science, and the Arts

Ann Arbor, MI

Bachelor of Arts in General Studies (Political Science, Philosophy, and History)

Apr 2016

RESEARCH EXPERIENCE

Free Market Institute, Texas Tech University

Lubbock, TX

Economic Research Assistant

Aug 2020 — May 2022

- o Conducted economic literature reviews and statistical analyses for academic publications and book chapters.

American Institute for Economic Research

Great Barrington, MA

E.C. Harwood Visiting Research Fellow

Dec 2018 — May 2019

Free Market Institute, Texas Tech University*Visiting Research Scholar*

Lubbock, TX

Sep 2018 — Dec 2018

- o Researched and presented master's thesis on the economic organization of open-source communities.

Commonwealth Foundation*Research Fellow*

King of Prussia, PA

Jan 2017 — May 2017

- o Designed visual reports of Pennsylvania's tax and expenditure data to support policy publications.
- o Authored and edited weekly newsletters on state budget and education reform.
- o Responded to legislative and public inquiries on fiscal and labor policy.

Cato Institute*Research Intern, Center for Educational Freedom*

Washington, DC

Sep 2016 — Dec 2016

- o Analyzed international education datasets (TIMSS, PISA) to evaluate policy impacts.
- o Summarized congressional proceedings on education, trade, and monetary policy.
- o Produced 200+ social media data visualizations for @HumanProgress.

CERTIFICATIONS AND EXAMS

- o PostgreSQL for Everybody Specialization *Coursera, May 2024*
Skills: PostgreSQL, DBeaver, NoSQL, Elasticsearch
- o Web Applications for Everybody Specialization *Coursera, Oct 2023*
Skills: MySQL, PHP, JavaScript, jQuery, JSON, XAMPP
- o Applied Data Science with Python Specialization *Coursera, Aug 2023*
Skills: Python (regex, Pandas, scikit-learn), ML algorithms (random forest, SVC, logistic regression, KNN, Naïve Bayes, clustering)
- o Django for Everybody Specialization *Coursera, Jul 2023*
Skills: Django, SQLite, HTML5, CSS, JavaScript, Bash
- o Probability Exam (SOA) *Society of Actuaries, May 2023*
- o Laserfiche Gold & Platinum Certifications *Laserfiche, Oct 2022*