804 814-9030   Home: Charleston, SC   jchrismattingly@gmail.com

JAMES CHRISTOPHER MATTINGLY

Over 27 Years as Certified Public Accountant
Programming: Python, Pandas, SQLAlchemy
Data Management: MS SQL Server, PostgreSQL
Web Development: Streamlit, Dash-Plotly, HTML/CSS
Data Analysis: Federal Contract Cost Accounting, Financial Reporting and Procurement, Tableau
CV Website: https://stream-mattingly-profile.onrender.com

Tynan Properties LLC, Data Analysis and Consulting Services, 2010 - Present

Former CPA providing analytical and consulting services to businesses addressing antiquated processes or changes to management reporting. Acquired knowledge and skills in computer programming and database management to serve clients.

- Developed interactive web application prototype for healthcare insurance claims. Application provides member claim information and allows corporate users access to data analytics. Prototype written in Python with SQLAlchemy, Dash-Plotly and Pandas and interfaced with PostgreSQL database. A second prototype was developed with Python Streamlit and interfaced with SQLite database.
- Data analyst for two class-action lawsuits involving overbilling of public utilities. Created MS SQL Server database to store and organize sensitive financial data. Intensive data cleaning using Python-Pandas. After litigation, I developed an interactive web application written with Python Streamlit, Pandas and SQLite database to view results of litigation. Also, prepared interactive Tableau Dashboard summarizing results using interactive Maps and Filters.
- Analyzed operating costs for health clinic, home health and hospice care for age in place retirement community. Reviewed medial service plans, nurse staffing, beds and medical equipment requirements to ensure financial plans were accurate and complete. Trained and tested healthcare data to improve forecasting metrics.
  - Coordinated with client IT, Purchasing and Accounting departments regarding the chart of accounts: defining accounts, creating categories and sub-categories, assigning categories to cost pools, and identifying responsible departments/managers.
- Organized large Excel workbooks into MS Access tables for county government office so they could upload annual budgets instead of manually data entering. Coordinated with IT to modifying tables and monthly reporting templates.
- Assisted home builder with mapping home types, zip codes, utility meters and fees to building lots. This improved accuracy and efficiency for project managers and accountants entering and tracking home building costs.
- Developed real estate investment model (MS Excel) and performed linear regressions to capture acquisition, improvement, holding and selling costs. Extracted real estate and demographic data from Realtor Multiple Listing Service database as well as Federal Reserve online databases.
- Licensed Realtor responsible for acquisition, improvement and disposition of real estate properties. I acted as site project manager for construction activities including project planning, cash flow, subcontracting and project accounting.

Contractor – Capital One, Inc. 2007-2010

Financial Analyst for Richmond IT Enterprise Office - directly supporting Data Center IT Managers. Participated in transforming IT Hardware/Software and Telecommunications "enterprise" contract for Capital One data centers and corporate operations.

- Assisted managers with administration of HW/SW assets, license/maintenance agreements and telecommunications.
- Co-maintained inventory of all maintenance and license agreements under the Data Center purview. Inventory was used to track agreement amounts, amounts paid and monthly amount to accrue for accounting purposes. Exhaustive 3-month detail review netted a $5 million favorable correction. Discovered cancelled contracts, re-negotiated contract amounts, cancellation of optional services, reduction in licenses, maintenance for assets that had been disgorged, among others.
- Team member on IT Optimization project responsible for capturing HW and SW configuration data and assessing future needs. Through mergers/acquisitions, the Data Center had inherited responsibility for thousands of hardware and software assets around the world including attendant telecommunication networks and assets.
- Prepared monthly financial statements for data center operations and Enterprise IT Office infrastructure. Created ad hoc financial summary using Oracle Hyperion application.

VP Finance & Administration, Virginia Health Quality Center, 2005-2007

Overall finance and contract administration manager for health care company set up by the Center for Medicare & Medicaid Services (CMS) to provide health care quality improvement services. CMS contract subject to Federal Acquisition Regulations.

- Managed Accounting, Procurement, IT, Health and Property Insurance and Contract Administration functions. Presented results of operations to Executive Board. Developed finance and contract performance dashboard for senior management.
- CMS contract required the company to capture healthcare provider data and perform statistical analysis of the adoption of electronic health record systems as well as hospital/clinic performance measures.
- Designed Website Layout for new corporate website for Medicare/Medicaid quality improvement program. Facilitated communication between website developers and medical staff.

Contractor - Program CFO, Department of Energy, National Nuclear Security Administration, 2002-2004

Supported DOE Program Manager responsible for designing and building worldwide nuclear detection systems. The program included performing site inspections, scoring and ranking threats, and designing fully integrated global nuclear detection system.

- Responsible for setting up the Project Cost and Performance Control office that prepared operating budgets, project cost estimates and schedules, and tracked and reported progress towards completion.
- Coordinated with Program Manager in preparing classified quarterly status reports used to brief US Congressional and Intelligence committees. Coordinated with US National Laboratories in reporting Program performance and cost data including roles and responsibilities for government and contractor activities.
- Designed and organized document control system to store nuclear risk assessment reports from sites around the former Soviet Union. Linear regression models were used to score nuclear material, geography, site infrastructure and technology.

Manager, Sosa Information Technology Services, 2000-2002

Dual Role: Key Senior Finance officer on classified Nuclear Non-Proliferation program and Deputy to Group VP. The contract position was transferred to Miratek.

- Key Personnel on DOE Nuclear Administration Government Contract: See DOE, Nuclear National Security Administration
- Developed ISO-based business process re-engineering and change management techniques designed for large system integration projects. Assisted clients with large scale IT system selection process.

Manager, Grant Thornton LLP, 1993-1994, 1998-2000

Performed internal audits and consulting services to IT and manufacturing companies with emphasis on Federal Procurement, cost analysis, re-designing cost structures to align with marketing strategies, incorporating non-financial data into strategic plans.

- Assisted clients with documenting existing accounting workflows, identifying data tables and applications used to process data. Projects related to implementation of new applications, re-organizations or acquisitions.
- Coordinated with client IT, Procurement and Accounting departments regarding the chart of accounts: defining accounts, creating categories, assigning categories to cost pools, and identifying responsible departments/managers.
- Assisted clients with developing and performing operational internal audits. Interviewed management and scored key control areas to assess risk.
- Managed industrywide survey of direct and indirect cost pools used by federal contractors. The survey encompassed cost classification, allocation methods and billing rates.
- Assisted clients with analyzing and allocating costs to products, departments and service centers. Also, assessed the structure of spreadsheet files to streamline the collection of data, calculation of indirect rates and submission of certified billing rates to the federal government.

Manager, Strategic Analytics, PriceWaterhouseCoopers LLP, 1995-1998

Provided cost analysis, contract/product pricing and procurement consulting services to Defense and other federal contractors. Expert in Federal Acquisition Regulations (FAR) and Cost Accounting Standards.

- Assisted client with plant re-location analysis and performed linear regression modeling for predicting plant operating costs and aerospace electronic product costs including direct labor, materials, assemblies and plant capacity/absorption.

- Modeling for mergers and acquisitions to include reviewing customer and contract types, product mix, market penetration, research and development ratios and emerging industry risks.
- Assisted IT system integration teams with process and data mapping of accounting, procurement and contract administration functions. Prepared organizational charts and functional silo's matrices impacted by processes.
- Assisted clients with analyzing and allocating costs to products, departments and service centers. Also, assessed the structure of spreadsheet files to streamline the collection of data, calculation of indirect rates and submission of certified billing rates to the federal government.
- Key advisor for developing application linking federal contract requirements to corporate policies and procedures. Application used IBM Lotus Notes and structured like Sarbanes-Oxley requirements.

Senior Accountant, Science Applications International Corp (SAIC), 1988-1993

Financial Analyst for $1 Billion IT Engineering Systems Integrator and Advanced Electronics Manufacturing Company. Worked at Corporate Office and Computer Manufacturing Division. Interfaced with DCAA on audits of indirect rates and contract invoicing..

- Project cost estimates, progress towards completion, cost allowability, labor burn rate, indirect rate calculations and variance analysis on large Federal Procurement contracts.
- Coordinated with Federal Auditors responsible for testing 1,000s of cost transactions involving 5 companies. Assisted IT department with defining data requirements and sample selection and then assisted auditors with evaluation allowability.
- Assisted with linear regression modeling to predict consumption of resources and costs for administration support services.
- Coordinated with IT to create queries and tables to capture cost data for all companies. Data exported into spreadsheets and organized to allocate costs using specific algorithms. Spreadsheets and algorithms were continuously improved by linking and using "naming" features to act as "variables".

Captain, US Air Force, 1983-1988

Budget Officer for Major Command (Headquarters Alaskan Air Command 86-88) and Bombardment Wing (Dyess AFB, Tx 83-86). Assigned duties were very similar.

- Budget officer responsible for preparing annual budgets and analyzing monthly results for Headquarters Staff responsible for 4 Operating Bases and Defense Early Warning installations scattered across Alaska.
- Budget officer responsible for preparing annual budgets and analyzing monthly results for aircraft operations and maintenance as well as military base infrastructure including housing, transportation, food services and construction.
- Coordinated with IT to extract mainframe actual cost data for analysis of cost centers, labor, supplies and projects.
- Prepared spreadsheets and charts, analyzed and communicated with financial advisors to assess activities, and briefed results to Headquarters and Base commanders.
- Conducted field audits as a member of Air Force Inspector General office.
- Prepared monthly executive budget summary reports for Comptroller to assist him with briefing commanding General Staff.
- Served as Comptroller Protocol Officer for visiting Congressional dignitaries: prepared itinerary for meetings and tours, coordinated transportation and lodging, and escorted dignitaries from arrival to departure.

EDUCATION

Bachelor of Business Administration – Accounting, Texas A&M University, College Station, Texas

TRAINING & KNOWLEDGE

Python Library & Tools

Library	Purpose
Pandas	Processing large datasets
Dash-Plotly	Web Interactive Components (HTML/CSS, JavaScript-React)
AG-Grid	Interactive Tables and Components
SQLAlchemy	Object Mapping Data Classes and SQL Queries
Streamlit	Rapid web deployment (HTML/CSS, JavaScript-React)
Flask	Web Framework (HTML/CSS)
Plotly	Interactive Data Visualization
Editors	PyCharm, IntelliJ, JupyterLab
Salesforce Tableau	Creating interactive dashboards

Database Management

Database	Interaction
MS SQL	TSQL Queries, Server Reporting Services
PostgreSQL	pgAdmin interface with SQLAlchemy, SQLite, Web Applications
SQLite	SQL interface with PostgreSQL, CSV, Web Applications
MS Access	MS Access Query

Finance and Accounting

Category	Preparation and Analysis
Financial Reporting	Profit & Loss Statements, Balance Sheet and Cash Flow
Federal Procurement	Compliance with Federal Acquisition Regulations, Cost Allowability and Contract Accounting
Project Accounting	Tracking actual labor, material, overhead and progress towards completion
Product Accounting	Analyzing product actual vs. standard costs for labor, materials and overhead
Contract Pricing	Preparing cost proposals for large contracts ($100M+)
Budgeting	Preparing and modeling business sales, product, labor and administrative costs
Auditing	Financial records, Sarbanes-Oxley compliance, inventory
Mergers/Acquisitions	Sales and Cost modeling, Gap Analysis and Change Mapping
Microsoft Tools	Excel pivot tables, lookup tables, Oracle Hyperion, other
Salesforce Tableau	Geographic and Utility billing for customers and properties