

Jeff McDowell, CMT, CCEA

Quantitative analysis and data modeling expert

EXPERIENCE, MARKET ANALYSIS

Synaptrix Capital, Madison, AL

2012 – Present; Founder

- Conducted independent research on stocks, executed trades, and provided educational insights on market trends and strategies.

Marketocracy Data Services, San Mateo, CA

2004 – 2018; M100 Member

- Delivered comprehensive stock research, portfolio management insights, and trading data to support the management of mutual fund products.

EXPERIENCE, COST ANALYSIS

Tecolote Research, Inc., Huntsville, AL

1992 – 2021; Group Chief Scientist

- Performed requirements definition for software development projects and developed data standards.
- Directed and performed cost estimating activity for numerous weapon program cost estimates.
- Led development of risk metrics and risk analysis guidance.

Applied Research Incorporated, Huntsville, AL

1989 – 1992; Senior Cost Analyst

- Designed and developed models and database applications for use in life cycle estimating.
- Performed cost estimates in support of special studies and programs.
- Developed cost estimating relationships utilizing statistical regression.

SRS Technologies, Huntsville, AL

1987 – 1989; Senior Cost Analyst

- Led cost studies requiring data collection, cost estimating, cost modeling, and identification of cost-driving issues. Performed cost exercises such as economic analysis, cost effectiveness analysis, and cost modeling.

Applied Research Incorporated, Huntsville, AL

1985 – 1987; Senior Cost Analyst

- Led Cost Estimating tasks including model development, methodology selection, requirements, and system definition. Developed numerous tools for use in cost studies and in task management.

General Research Corporation, Huntsville, AL

1983 – 1985; Cost Analyst

- Led development of software products to include interviewing users to determine requirements.

Sperry Corporation, Huntsville, AL

1979 – 1983; Cost Analyst

- Designed and coded models for use in budgetary what-if drills.

SKILLS

Data Standards
Technical Analysis
Python
Metrics Development
Statistics
Life-cycle Cost Modeling
Cost Research
Data Reduction
Cost Estimating
Requirements Analysis

CERTIFICATIONS

Certified Market Technician
(CMT®)

Certified Cost
Estimator/Analyst (CCEA®)

ORGANIZATIONS

Certified Market Technician
Association

International Cost Estimating
and Analysis Association
(ICEAA)

EDUCATION

Auburn University, Auburn, AL
BS- Industrial Engineering

Market Technicians
Association, Certified Market
Technician Program 2010

Continuous pursuit of
professional education
opportunities