



Ronald L. Capone

Over thirty-five years' experience turning data into information for government agencies and private firms:

- Predictive analytics, operations research and economics.
- Database design, pattern recognition and data mining.
- Web database application development.
- Econometrics and non-parametric modeling and forecasting.
- Software design, implementation, testing and client turn-over.
- Local government planning & economic development

Project areas include energy and environmental issues, information extraction and communication, and software product development.

Clients

Public Sector

US Department of Energy
US Environmental Protection Agency
US Department of Labor
US Central Intelligence Agency
State of Illinois
State of New York

Private Sector Industries

Commodity Trading
Risk Management & Insurance
Private Capital Investment
Electric Power Generation
Construction
Professional Associations
Law Firms
Professional Services

Technical Tools

Visual Studio .Net
Visual Studio 6
MATLAB
Crystal Reports
Gephi
Photoshop
Fireworks
R Studio
Neuralworks Professional II/Plus

Weka
Crystal Ball
RoboHelp
M/S-Centric Addins
M/S Office Applications
NodeXL
Dreamweaver
MySQL
Access

Software development skills and experience include all phases of conceptualization, design, coding, testing, documentation, and packaging. Programming languages used in current and recent projects include Javascript, PHP, JQuery, AJAX, JSON, OWL, SPARQL RDF, .Net, VB6, VBA, C++, Python and R. Previous languages include C, Pascal, Prolog, PL/1, Fortran, and APL.



Skills and experience in linear algebra, econometrics and statistics, linear programming, database design and implementation, semantic technologies, and economic and market analysis. Extensive experience in client communication, writing, and public speaking. Areas of specialization include energy, environmental, and risk management programs.

Experience in local government includes appointment to economic development and planning positions in Virginia cities.

Patents

A Method for Improving Process Control by Reducing Lag Time of Sensors Using Artificial Neural Networks, United States Patent Number 5,832,468

A Method for validating vector valued models using an artificial neural network, 61/396,781 patent pending (lapsed)

Employment

1991 – Present	Managing Director, Ronald L. Capone & Associates and predecessor firms
1979 – 1991	Senior Economist & Mathematical Modeler Science Applications International Corporation (SAIC)
Pre-1979	Equitable Environmental Health Dewberry & Davis University of Calgary

Education

NeuralWare, Inc: Advanced Neural Network Applications; Neural Network Applications To Financial Forecasting.

SAIC: Software Project Management.

Virginia Polytechnic Institute & State University: Econometrics; Financial Institutions, Markets, and Money

The George Washington University: MA course work completed in Economics.

George Mason University: Resource Economics, Industrial Organization, Public Finance.

University of Virginia: BA; Philosophy.

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