Bachelor of Arts - Mathematics

University of Richmond, Richmond, VA

**EDUCATION**

M.Sc. Recording Arts – Emphasis on Media Forensics

University of Colorado, Denver, CO

Cert. Computer Security and Digital Forensics – *In Progress* – Fall 2019

Ryerson University – The Change School of Continuing Education

Toronto, Ontario, Canada

**echoQuest, Inc.** **01/2002 to Present**

*Technology Consulting (Denver, CO)*

Founder / President

Technology consulting, production and development services. Development of dynamic web, database, ecommerce and content management systems. Graphical design, video and audio editing/rendering services. On site telephony and network build out, network/IT support and troubleshooting. Continual discovery and handling of new technologies, methodologies and techniques. Education of clients by explaining complex system in understandable ways. Management and administration of Linux cloud servers.

**PROFESSIONAL EXPERIENCE**

**University of Colorado, Denver 08/2017 to Present**

*National Center for Media Forensics*

Graduate Research Assistant

Assist in development of tools for media forensics social media research project with the MediaFor DARPA organization.

**Nutros.com, LLC.** **04/2000 to 01/2002**

*Information Technology (Golden, CO)*

Founder / Lead Architect

Managed three person development team for Nutros.com e-commerce system. Designed and developed data models for dynamic content delivery and commerce environment. Developed initiatives to convert commerce system to Java platform. Implemented IT and telephony infrastructure for Nutros.com offices.

**Experimental and Applied Sciences, Inc.** **06/1998 to 04/2000**

*Web Solutions (Golden, CO)*

Web Development Manager/Developer

Managed and developed backend systems for five EAS Internet e-commerce sites and corporate intranet. Developed dynamic Q&A database for web users including an administrative back end for content. Developed numerous administrative utilities for management of Web sites and content. Designed and developed web based scheduling systems for internal meetings, studio and theater.

**Broadband Associates, Inc.** **10/1997 to 06/1998**

*Operations (Englewood, CO)*

Operations Manager / Developer

Managed online presentation execution and support team. Created Web based scheduling system. Developed reservations and invitations database system. Developed software for automation invitation system.

**Customer Insight Company** **10/1996 to 10/1997**

*Engineering (Englewood, CO)*

Internet Developer / Senior Software Engineer

Designed, developed, implemented and managed CIC web site, developed new Web/database driven application to bring web presence for flagship database-marketing analytics software. Created a middleware software bridge to the web. Developed automated utilities for content publication to the CIC Web site.

**MCI Communications Corporation**  **06/1988 to 10/1996**

*Systems Engineering (Reston, VA; Arlington, VA; Colorado Springs, CO)*

Network Surveillance Engineer / Network Administrator / Developer

Developer for internal Web-based/Database-driven document management system, Developer for MCI corporate web site, Project manager for internal development for Intranet Web sites, Network Administrator, Network Surveillance Engineer for the National Network Management Center in Reston, VA.