Criss Swaim
President, The Pineridge Group, LLC
Consultant to VanDevender Enterprises, LLC
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Education

- M.N.R. in Natural Resource Management from North Carolina State University in 2005
- B.S.B.A. in Information Systems, Business Administration and Religion from Eastern New Mexico University in 1977

Awards

- Nominated Outstanding Student in Information Systems
- Received two service awards for volunteer support for providing web site and back office technology support for a local environment group

Recent Publications

1. VanDevender, J. Pace, VanDevender, Aaron P., Sloan, T., Swaim, Criss, Wilson, Peter, Schmitt, Robert. G., Zakirov, Rinat, Blum, Josh, Cross Sr, James L. and McGinley, Niall Detection of magnetized quark nuggets, a candidate for dark matter. *Sci. Rep*. **7,** 8758 (2017). www.nature.com/articles/s41598-017-09087-3
2. Blank, G. B., M. S. Martin, C. Swaim, and H. A. Devine. March 2007. A Synthesis of Natural Resource Information for George Washington Birthplace National Monument. Technical Report NPS/NER/NRTR—2007/077. National Park Service. Philadelphia, PA.

Work Experience

President of The Pineridge Group, LLC. (September 1991 to Present)

As President of The Pineridge Group, LLC, Criss has provided computer software and information technology consulting services to a wide variety of organizations: VanDevender Enterprises, State of North Carolina, BioPharm, GEAC, State of Ohio, WorldSpan, Procter & Gamble and several small non-profit organizations. The services provided included application architecture, software development, database design, network support, project team leadership, and website support.

Since 2010, Criss has worked with VanDevender Enterprises to implement a remotely accessed data capturing system. Since the placement of the system is often in difficult to access locations, application development parameters focused on software maintainability, error logging and reporting, and remote support. The data capture package is developed in

Python and C/C++ utilizing the GnuRadio software package and the analysis tools are developed in Python/MySQL.

Additional work with small office environments includes installing, configuring and supporting networks, configuring windows based servers. Criss has supported GIS data collection, development of maps for non-profits and government entities.

Having worked in the financial services industry early in his career, software development constraints of robustness, restart/recoverability and error reporting were instilled. Now, where feasible, inclusion of best practices from functional programming and test-driven development are incorporated into the software development cycle.

Technical Skills summary
    Languages – Python, PHP, JavaScript, C/C++, SQL,
    Databases – MySQL, Postgress, DB/2
    Operating Systems – Windows, Linux, MVS OS/390
    Applications – ESRI ArcGIS

Manager, Financial Systems (July 1987 to August 1991)

As Manager of Financial Systems for Sharp Healthcare in San Diego, Criss Swaim was responsible for leading the implementation and integration of financial systems software in support of the multiple facilities within the regional Sharp HealthCare group. This involved supporting the MVS/XA, S/38, and H/P environments with annual budget responsibility of 3 million dollars. Migration and integration of 3 hospitals and a medical group clinic to the new GEAC:M series financial systems and H/R applications was completed. Applications supported consisted of General Ledger, Fixed Assets, H/R (payroll, personnel, benefits, flex enrollment and position control), Accounts Receivable, Insurance Billing, Millennium tools and Outpatient Clinic related applications (registration, billing, insurance and scheduling).