

STEVEN PREVETTE

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Instructor and Training Development Experience, Practitioner of Data Development, Survey Construction and Analysis, and Performance Metrics Statistical Trending

EXPERIENCE

MAY 2016 - PRESENT

INSTRUCTOR, SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE

- Taught two electronics systems courses on site at Naval Air Station Jacksonville FL
- Developed online courses for Information Systems Analysis and Design, Statistical Analysis for IT, and SQL, R, and Python programming.
- Five years of experience with Brightspace Learning Management System at SIUC

2012 - 2013

INSTRUCTOR AND COURSE DESIGNER, AIKEN TECHNICAL COLLEGE

- Wrote two courses for their new Nuclear Quality Assurance curricula. NQS 101 Intro to Nuclear Quality Systems and NQS 120 Associated Nuclear Quality. Taught the NQS 101 class. Both were Power Point based. NQS 120 included writing laboratory and practical factor materials to have students demonstrate completion of Quality Assurance exercises.

1998 - 2006

INSTRUCTOR, CITY UNIVERSITY RICHLAND WA CAMPUS

- Taught 24 mathematical, economics and statistical evening courses for Business and MBA students with excellent student evaluations.

OCTOBER 2008 – MAY 2021

SENIOR QUALITY ENGINEER, FLUOR AND FLUOR HANFORD LLC

- Served as Safety Engineer and Quality Engineer at six Department of Energy nuclear sites. This work included performance metrics, and developing and implementing corrective actions (including Power Point training presentations).
- Wrote the “Hanford Trending Primer” document which was republished by the Institute of Nuclear Power Operators (INPO) as INPO 07-007.
- Expert in Causal Analysis, Human Performance, Metrics, and Statistical Process Control
- “Author of the Year” in 2008 for the Fluor Hanford Professional Publications and Presentations Program
- Developed, Implemented, and Analyzed the Fluor Hanford Voluntary Protection Program culture survey. Developed and analyzed safety culture survey for Savannah River Remediation and Savannah River Nuclear Solutions. Team Leader for Safety Culture Assessment at Canadian Nuclear Laboratories facilities utilizing the Canadian Nuclear Safety Commission [Regulatory Document](#).

EDUCATION

OCTOBER 2008

M.S. OPERATIONS RESEARCH, U. S. NAVAL POSTGRADUATE SCHOOL

Chief of Naval Operations Award for Excellence in Operations Research. Thesis on Mobile Submarine Simulator. Pentagon briefing and multiple briefings to admirals. Excerpts included in tactical manual for the weapon.

JUNE 1981

B. S. CIVIL ENGINEERING, VIRGINIA TECH

Cum Laude, Tau Beta Pi, Chi Epsilon, Member of Corps of Cadets and Regimental Band

FEATURED PRESENTATIONS AND STORYLINES

- <https://www.youtube.com/playlist?list=PL8E522DD542C4CA69> Dr. Deming Red Bead Experiment
- [Improving Your Safety Performance with Intelligent Use of Data | Professional Development Conference and Exposition | OnePetro](#)
- [Dr. Deming's Red Bead Experiment and RadCon. | National Technical Reports Library - NTIS](#)
- <https://www.fluor.com/about-fluor/videos?videoid=396> Innovation Series – Trending your Data
- <https://www.youtube.com/watch?v=WqiLCNEXYUc> American Society for Quality Webinar
- [Steve Prevette- Application of SPC Metrics to Improve Business Results: May 2021 HPRCT Webinar - YouTube](#) Human Performance Root Cause & Trending Webinar

AUTHOR

- “Disparities in Minority Promotion Rates: A Total Quality Approach Fiscal Years 1987 - 1991”. Defense Equal Opportunity Management Institute, Topical Research Intern Program, 1992. [Link to Document](#)
- Coauthor, “Performance Based Management Handbook; Analyzing, Reviewing, and Reporting Performance Data”, 1999
- “Systems Thinking - an Uncommon Answer”, [Quality Progress](#), American Society for Quality. July 2003.
- “Stoplight Charts (With SPC Inside)”, [Quality Progress](#), American Society for Quality. October 2004.
- “Lead to Succeed”, [Quality Progress](#), American Society for Quality, September 2005. <https://docplayer.net/140281158-Lead-to-succeed-by-steven-s-prevette.html>
- “Charting Safety Performance - Combining statistical tools provides quality data”, [Professional Safety](#), American Society of Safety Engineers. May 2006
- Extract of “Hanford Trending Primer” published by the Institute of Nuclear Power Operations, Performance Assessment and Trending, INPO 07-007, December 2007
- “Applying Control Charts to Safety Data Detects Trends Earlier (SPE 157421-PP)” Coauthored with Schlumberger, presented at the SPE/APPEA International Conference September 2012, Perth, Australia.
- Webinar for American Society for Quality - <https://www.youtube.com/watch?v=WqiLCNEXYUc> “Statistical Process Control Dashboards” November 2017.