

Contact

www.linkedin.com/in/ericxwang
(LinkedIn)

Top Skills

Quantitative Risk Analysis
Data Analysis
Machine Learning

Languages

Chinese (Native or Bilingual)
English (Full Professional)

Certifications

Machine Learning

Eric X. Wang, Ph.D.

Senior Data Scientist
Orange County, California Area

Summary

Data Scientist, software developer and reliability engineer with more than twelve years' experiences in risk and reliability assessments including data analysis, software development and modeling. Technical lead of predictive maintenance team in building machine learning and big data statistical models for asset failure predictions.

Experience

Southern California Edison (SCE)
Senior Data Scientist
August 2016 - Present (3 years 8 months)
Pomona, California

Predictive modeling using machine learning and big data algorithms.

ABS Consulting
Lead Engineer
January 2008 - August 2016 (8 years 8 months)
Irvine, CA

Lead Risk/Reliability Engineer for various risk/reliability assessment projects. Experiences include Probabilistic Risk Assessment (PRA) for nuclear power plants/aerospace industries including data analysis, FMEA, system modeling, fault tree and event tree modeling, and Safety Integrity Level (SIL) determination for oil and gas industry. Also a key member of the RISKMAN software development team using Visual Studio.

Texas A&M University
Research Assistant
September 2003 - December 2007 (4 years 4 months)
Bryan/College Station, Texas Area

Developed "Entry-time Processes" for dynamic risk/reliability analyses using enhanced Markov modeling. This approach was successfully applied in the Risk-informed Asset Management (RIAM) applications.

Product and Service Engineer

January 2003 - August 2003 (8 months)

Shanghai, China

Product and services for 3M telecom products

SIDTEC

Software Engineer

2001 - 2003 (2 years)

Shanghai, China

Software design for IC pay phones and GUI for telecom companies. Software used including Power Builder, Visual C++ and SQL Server. Also teamed with customer supports solving technical issues.

Education

Texas A&M University

Ph. D, Nuclear Engineering · (2003 - 2007)

Shanghai Jiao Tong University

BS, Nuclear Engineering · (1997 - 2001)