

Yanyan Wu

Passionate about developing the strategies for data analytics, data visualization, cloud computing, and AR/VR to facilitate decision making, process improvements and team collaboration. A proven leader influencing by examples. Energized by helping others to solve their problems through innovation and peer collaboration.

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👤 <http://yanyan-wu.appspot.com/>



Work Experience

03/2018 ~ Present Houston, TX

Chief product manager

Halliburton Digital Solutions

Lead cross-functional efforts on process improvement projects through big data analytics including cloud computing and machine learning technologies.

04/2017 ~ 03/2018 Houston, TX

Principal digital product manager

GE Digital

Shaped the digital strategies for power plant digital collaboration. Managed user requirements and project budget/resource. Developed and coached vendors, partners to advance 3D collaboration platform to increase the profit margin for power plant projects. Focused on customer value proposition to deliver the best customer experience.

06/2016 ~ 04/2017 Houston, TX

Senior product manager

GE Power

Outlined multi-generation road maps on IoT technologies for Gas Power Plants by working with cross functional stakeholders. Deployed the most effective tools of data visualization in 3D/4D & AR/VR for power plant projects across APM lifecycle. Responsible of digital messaging for GE Power for trade shows and industry events.

04/2014 ~ 06/2016 Houston, TX

Process automation director

GE Oil & Gas

Defined the digital processes & user requirements for the new PLM system implementation to save \$50M per year with Integrated data across ERP, PLM, CRM systems. Led the design and engineering of database architect, clean up and migration for PLM project using Agile methodology.

03/2009 ~ 04/2014 Houston, TX

Senior product manager/Engineering manager

GE Oil & Gas

Managed the product portfolio through market segmentation, customer interfacing, business strategy, market data / KPI analysis and ROI evaluation. Supervised a team responsible for sales strategy, partnership with suppliers that led to the winning of \$150M orders.

08/2002 ~ 03/2009 Niskayuna, NY

R&D Project manager

GE Global Research

Led a global research team invented composite inspection technology to improve inspection integrity for GE Aviation to reduce MLE of fan blade scrap rate by 5%. Implemented noise reduction, inspection/CAD data registration in .NET for large scale numerical & image inspection data.

Education

09/2017 ~ 06/2018 Mountain View, CA

Nano IT degree in Full Stack

Udacity

02/2016 ~ 08/2017 Mountain View, CA

Nano IT degree in Data science

Udacity

11/2015 ~ 02/2016 Mountain View, CA

Nano IT degree in Web design & programming

Udacity

08/2007 ~ 08/2009 Bloomington, IN

MBA

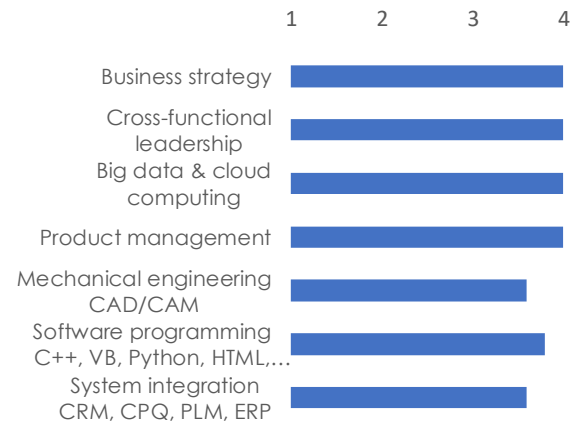
Indiana University

01/2009 ~ 08/2002 Tempe, AZ

Ph.D. in CAD/CAM, Mechanical engineering

Arizona State University

Skills and Competences



Selection of publications/patents

04/2011 US Patent No.: US 7921575 B2

Method and System for Integrating Ultrasound Inspection (UT) with a Coordinate Measuring Machine

Yanyan Wu, Francis Little, Jian Li, Nick Kray

03/2007 ASME transactions, Journal of Computing and Information Science in Engineering, Vol. 7

Multimodal Industrial Inspection and Analysis

Yanyan Wu, Prabhjot Singh, Robert Kaucic

03/2003 Computer Aided Design, Vol.34

Improvements to Algorithms for Computing the Minkowski Sum of 3-Polytopes

Yanyan Wu, Jami J. Shah, Joseph K. Davidson