

Curriculum Vita

Vahid Nooraie (PhD)

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SUMMARY

I am a professional with 12 + years of experiences including Operations Research, Data analysis and predictions, statistical analysis, production planning, project management, supply chain analysis, supply chain optimization. I am Operations Research Scientist and Data Analyst with responsibilities in Mathematical modeling, Optimization, Heuristic algorithms, Statistical data analysis & Data manipulation, Data visualization.

CORE COMPETENCES

- Mathematical model
- Heuristic Algorithms
- Network Optimization
- Mix Integer programming
- Multi Objective problems
- Coding and Programming
- Project Management
- Supply chain optimization
- Supply chain & Business analysis
- Data analysis and modeling
- Data Mining
- Data manipulation
- Data visualization
- Statistical hypothesizes
- SPSS
- Cplex
- Linux
- SPC
- C++
- RUP
- Gams
- R
- SAP
- SQL
- VBA
- SAS
- Python
- Matlab

EXPERIENCES

DATA & system analyst (Internship)

Global Brands Group company, Summer 2017

- Data analysis and information systems
- TSG process Mapping
- SWOT analysis
- SAP data analysis
- EDI & Order management analysis
- Logistics and inventory control analysis
- Customer and customs compliance analysis
- SOPs

Operation Research analyst/Data Scientist ISE department of North Carolina A&T state university, 2013 Aug-current

- Design of quantitative models
- Design of heuristic algorithm
- Supply chain Optimization
- Tradeoff among Cost minimization, Risk minimization, revenue and responsiveness maximization
- Statistical analysis
- Complex optimization
- Operation Research
- Data analysis, Data prediction, Data mining
- Programming in Python, R, VBA, SQ

Project manager (R&D)/Supply chain and Network Optimization/ Business Analyst

GSIIran, 2005 Oct-2013 Aug

- Built project management plans, project configuration management plans, project risk management plans, project quality control plans, project verification and validation plans in accordance with PMBok methodology as well as budget planning.
- Performed Cost analysis, project control, project quality control, contracts, MSP, project management meetings, standards, documents
- Modelled and Optimized supply chain Networks through mathematical modelling, manipulated and cleaned data to create data integrity and manage supply chains
- Managed, scheduled and improving relationships among suppliers, processes and performed efficiencies to guarantee that supplies are prepared on time
- Performed Continues improvement through six sigma implementation
- Optimized Cost, Services and supply chains processes through supply chain simulation and mathematical models with MATLAB and Cplex

- Gathered and organized data and conducts statistical analysis with the goal of improving organization's supply chain operations and satisfying customer's demand through supply chain planning, sourcing, manufacturing, delivering and returning.
- Designed and analyzed business in large scale
- Modelled and managed business based on accurate data
- Examined the complexities of supply chains, logistics and finding ways to make them run more efficient.

System analyzer and programmer

Iran-Khodro Industrial dies (Automotive Industry), 2002 Dec-2003 Dec

- Analyzed system requirements
- Software programming with SQL and VB
- Prepared ISO/TS 9001:2000 practices
- Assured quality

Production Manager, quality control designer

SareKala Automotive Industry Spark Plug, 2001 Dec-2002Dec

- Systemized production planning and control
- Assisted Quality control and made sampling method for production line
- Designed methods for warehouse management and inventory control
- Designed facility locations and working stations
- Prepared ISO 9000 practices
- Controlled and assured quality

-----**CERTIFICATES**-----

- Transformational Leadership Training
- The Data Scientist's Toolbox
- R programming

-----**SKILLS**-----

Software and skills: Microsoft Office (Excel, Access, PowerPoint, Visio, Word), Matlab, Cplex, SQL, Gams, Lingo, Lindo, Evolver, Neural tools, Stat tools, precision tree, Risk, LPS solver, SAP, SAS, SPSS, JAVA programming and optimization

-----**EDUCATION**-----

Degree and major: PhD candidate in Industrial and system engineering (Supply Chain Management/Operations Research)
University: North Carolina A&T State University (A&T state university) located in Greensboro, NC, USA

Degree and major: Master's degree in industrial engineering (Operations Research)
University: Amirkabir University of Technology (Tehran Polytechnic) located in Tehran, Iran

Degree and major: Bachelor's degree in industrial engineering (Industrial Production)
University: Azad University located in Qazvin, Iran

-----**RESEARCH PAPERS**-----

Journal Paper: Mitigating Supply Chain Disruptions through the Assessment of Trade-Offs Among Risks, Costs, and Investments in Capabilities, Int. J. Production Economics, 2016

Conference Paper: A Multi-Objective Robust Optimization Model for Supply Chain Risk Management - Tradeoff between Flexibility and Agility, POMS conference, Washington DC, May 2015

Journal Paper: A multi-objective approach to supply chain risk management: Integrating visibility with supply and demand risk, Int. J. Production Economics, 2015

Conference Paper: Production Planning in a Supply Chain under Risk: An Examination of the Relationship between Flexibility and Agility, POMS conference, Washington D.C, May 2015

Conference Paper: Mitigating Supply Chain Risks through the Assessment of Trade-off among Investment in Capabilities, INFORMS conference, San Francisco, November 2014

Conference Paper: A Multi-Objective Approach to Supply Chain Risk Management: Integrating Visibility with Supply and Demand Risk, POMS conference, Atlanta, May 2014

Journal Paper: Grouping in decomposition method for multi-item capacitated Lot-sizing (MCLSP) problem with immediate lost sales, International journal of system science, 2011

-----**PATENTS AND AWARDS**-----

Patent / Scholarships: Sparkplug brushing machine/ Summer 2015, Fall 2015, Summer 2016 and fall 2016

-----**TEACHING EXPERINCES**-----

Course title/credit/Institute/Time: Discrete event simulation/3 crdhr/Shahab Danesh University/spring 2008

Course title/credit/Institute: Data base Design/3 crdhr /Shahab Danesh University/ Spring 2008

Course title/credit/Institute: Management Foundation/2 crdhr hours/Shahab Danesh University/Spring 2008

-----**TEACHING ASSISTANT**-----

Teaching assistant for 4 years in Industrial and System Engineering department at North Carolina a&t State university

Engineering Design and Ethics, Fall 2013

Engineering Econ and Cost Analysis, Spring 2014

Engineering Econ and Cost Analysis, Fall 2014

Methods Engineering, Spring 2015

Quality Assurance, Fall 2015

Computer Aided Design and Manufacturing, Spring 2016

Design of Experiments, Fall 2016