

John R. Gum

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College of Business
University of South Florida St. Petersburg
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EDUCATION:

- **Clemson University**, Clemson, SC
Degree: Doctor of Philosophy, Graduated August 1992
Major: Industrial Engineering Dissertation: An Operations Research Information System
- **West Virginia University**, Morgantown, WV
Degree: Master of Science, Graduated August 1987
Major: Industrial Engineering Thesis: Causation and Prevention of Low Back Injuries in Underground Coal Mining
- **West Virginia University**, Morgantown, WV
Degree: Bachelor of Science, Graduated August 1983
Major: Industrial Engineering
- **West Virginia University**, Morgantown, WV
Degree: Bachelor of Science, Graduated May 1977
Major: Business Administration

TEACHING EXPERIENCE:

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|----------------------------------|------------------------------------|
| • Quantitative Decision Theory | Analytic Methods |
| • Computer Simulation (ARENA) | Applied Business Statistics I & II |
| • Production and Operations Mgt. | Statistical Process Control |
| • Work Methods | Manufacturing Processes |
| • Total Quality Management | Management Science I & II |
| • Production Planning | Engineering Economy |
| • Cost Engineering | Ergonomics/Human Factors |

EXPERIENCE:

University of South Florida St. Petersburg Instructor	St. Petersburg, Florida August 2003 – present
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- Teach courses in statistics and production/operations management at the undergraduate and masters level

Armstrong Atlantic State University Adjunct Faculty	Savannah, Georgia August 1999 – July 2003
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- Taught Introductory Statistics on a part-time and fulltime basis at AASU on campus and for AASU at Ft. Stewart Georgia.

Herty Research and Development Foundation Savannah, Georgia
Assistant Director/Operations Manager December 2000 – December 2002

- Planned, organized, directed, and controlled manufacturing and maintenance operations.
- Provided leadership to achieve Herty's short and long range business goals within its traditional and contemporary service market segments.
- Coordinated technical and regulatory programs with business objectives.
- Developed programs for pulp, paper, nonwovens and allied industries.
- Prepared research proposals for client/government sponsorship.
- Supervised project managers and plant supervisors.

Georgia Southern University Statesboro, Georgia
Assistant Professor Industrial August 1998 – December 2000
Engineering Technology

- Applied for and received a \$20,000 "Gift-In-Kind" (Software) from SME.
- Faculty advisor for IIE student chapter.
- Coordinator for IET program.
- Worked with freshman and transfer students who were undecided in regards to their major course of study.
- Consulted with a local industry to eliminate the causes of carpal tunnel syndrome within a manufacturing facility.
- Scheduled courses and facilities in conjunction with other program coordinators
- Developed an industrial advisory board for IET.
- Compiled information for ABET accreditation visit.
- Redesigned IET curriculum.

Merrill Lynch Anderson, South Carolina
Financial Consultant August 1997 - July 1998

- Exceeded requirements for asset gathering, production credits, and financial planning.
- Securities and Exchange Commission licensed: Series 7 & 66

Robert Morris College Pittsburgh, Pennsylvania
Director of Engineering Programs May 1996 - August 1997

- Developed curriculum for Industrial, Computer, and Software Engineering which was approved by the State of Pennsylvania August 1998.
- Cultivated various types of support from local industries. Support in the form of monetary contributions as well as written documentation to the state in favor of a non-traditional engineering curriculum.
- Implemented a unique "simulation" approach to chemistry and physics labs.
- Designed a layout for engineering classrooms, labs, and offices that will greatly reduce the square footage required.
- Developed three new courses, "Systems Simulation", "Facilities Layout & Location", and "Reliability Engineering".

Robert Morris College
Assistant Professor Quantitative Sciences

Pittsburgh, Pennsylvania
August 1991 - May 1996

- Educated undergraduate and graduate students in Quantitative Analysis (network analysis, optimization, and simulation) and Applied Business Statistics.
- Developed and championed an Applied Analytical Operations major now in existence.
- Elected Chairperson for the Quantitative Sciences Developmental Committee.
- Appointed Chairperson for the Intellectual Contributions Subcommittee for AACSB accreditation.
- Selected as a member of the President's Faculty Forum.
- Designed two new courses, "Statistical Process Controls" and "Manufacturing Systems".
- Contributing member of the Statistics and Graduate Analytic Course Committees.
- Faculty advisor for Sigma Tau Gamma.

Westinghouse Electric Corporation
Quality Engineering Supervisor

Pendleton, South Carolina
July 1987 - May 1989

- Monitored and controlled the quality of raw materials, production processes, and product properties for printed circuit board (PCB) substratum.
- Performed computer simulation for plant expansion.
- Trained facility personnel in the use of Statistical Process Control (SPC).
- Supervised two engineers and four technicians.
- Simulated plant layout to optimize staffing and product flow.
- Performed technical services for customers.
- Designed a part for personnel safety.

Burlington Industries, Incorporated

Quality and Industrial Engineering Manager
Division Quality Engineering Manager
Senior Quality Engineer
Quality Engineer

South Hill, Virginia
Glasgow, Virginia
Glasgow, Virginia
Greensboro, North Carolina
August 1984 - July 1987

- Managed various cost reduction projects.
- Directed all phases of product testing.
- Implemented just-in-time manufacturing for division.
- Designed and taught statistical process control (SPC) courses for management and hourly personnel.
- Directed strategic planning group for long and short term cost reduction planning.
- Conducted analysis of variance (ANOVA) designed experiments.
- Supervision of multiple engineers and technicians.

PUBLICATIONS:

(Published Journal Articles, Refereed)

- “Student Expectations of Technology-Enhanced Pedagogy: A Ten-Year Comparison”, co-author, Journal of Education for Business, Volume 86 Issue 5 , January 2011 (LP)
- “Consumer Rental Car Choice: Price, Agent, and Brand Effects”, co-author, Journal of Business & Economics Research, July 2009 (DB)
- “Does Corporate Social Responsibility Matter in E-Business”, co-author, Ethics & Critical Thinking Journal, December 2007 (DB)
- “Goldratt’s Thinking Process Applied to a Construction Project”, co-author, Leadership and Organizational Management Journal, September 2007 (DB)
- “An Operations Research Information System ORIS”, in Computers & Operations Research: An International Journal, March 1995 (DB)

(Current Journal Articles, Refereed, under review)

- “Optimization of a Powder Coating Operation Using Statistical Analysis And Linear Programming”, co-author, acceptance pending (CP)

(Published Conference Proceedings, Refereed)

- “Determining a Fair Days Work for Hard Hot Jobs”, co-author, NAIT conference, Panama City, FL November 17 – 20 1999. (CP)
- “A Derived Quantitative Information Database for Discrete Part Manufacturing Operations”, main author and presenter, ASQC Regional Meeting, April 1997. (CP)
- “Measuring Students Interest in Operations Management/Decision Sciences: An Internal Study”, co-author and presenter, Southeastern TIMS meeting, October 1993. (CP)
- “Digital Simulation as a Predictor for Manufacturing Cell Space Requirements and Productivity Variation”, Association for the Advancement of Modeling and Simulation Techniques in Enterprise (AMSE), author and presenter, September 1990 Fall Conference. (CP)

PROFESSIONAL AFFILIATIONS:

- American Institute of Industrial Engineers (AIIE)
- Alpha Pi Mu
- Engineer Intern - Professional Engineering Society
- INFORMS
- National Association of Industrial Technology (NAIT)