

Nagi M. Soliman

1309 Bayside Ave #2, Woodbridge, VA 22191* Tel: +1-202-285-6953 * e-Mail: drsoliman@msn.com
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ACADEMIC DEGREES

Doctor of Science in Engineering (D.Sc.), George Washington University, DC, USA, Feb. 1990

- Major Field: Systems Science, Network and Control.
- Minor Field: Computer Science.
- Research Field: Robotics Sensing, Vision, Programming and Control.
- Dissertation Title: "Multidimensional Systems: New Modeling, Analysis and Design"

Master of Science in Mathematics (M.Sc.Math.), Ain Shams University, Egypt, May 1984

Master of Science in Engineering (M.Sc.Eng.), Cairo University, Egypt, May 1982

PROFESSIONAL EXPERIENCE

Academic Positions

- Adjunct faculty at Strayer University, Woodbridge Campus, VA [2012-now]
- Adjunct faculty at North Virginia Community College, Woodbridge, VA [2012-now]
- Full-time Professor, University of Northern Virginia, VA, USA [2011-2012]
- Visiting Professor, Umm Al-Qura University, Makkah, KSA [2008-2011]
- Full-time Prof, Strayer University, Arlington, VA, USA [1994-2008]
- Adjunct faculty, George Washington University, DC, USA [1996-2003]
- Adjunct faculty, Virginia Tech University, VA, USA [1999-2003]

Consulting Positions

- Consultant, Computer Technology Network, Vienna, VA [2005- 2008]
- Consultant, Computer Science Corporation, CSC, VA, USA [1999- 2008]
- Consultant for MicroSet, Vienna, VA, USA [1996-1999].

Awards & Additional Experience

- Over 20 years of diversified professional work experience.
- Outstanding Strayer CIS Professor Award for the year 2003.
- Best Prototype Project, Air Forces Research Center, Egypt, 1993.

Lectures & Courses Taught

- University of North Virginia [2008-2012]

- Programming in Logic - ProLog.
- C++, Object Oriented Programming, and Java Programming.
- Software Engineering
- System Design
- Computer Architecture.
- Simulation Modeling & Analysis using SimuLink.

- Strayer University [1994-2008]

- C++, Object Oriented Programming, and Java Programming.
- Database & Object Oriented Database.
- Software Engineering using Object Oriented Design.
- Simulation Modeling and Analysis.
- System Analysis and Design.

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- *George Washington University [1996-2003]*

- Visual Programming.
- AI using ProLog.
- Digital Control using MATLAB.

- *Virginia Tech [1999-2002]*

- Visual Programming.
- Solving 2000 problems.

PUBLICATIONS

- Introduction to MATLAB, 2010, 340 pages.
- Introduction to SimuLink, 2010, 260 pages.
- Numerical Analysis using MATLAB, 2009, 450 pages.
- Programming in Logic: ProLog, 2010, 150 pages.
- Digital Signal Processing using MATLAB, 2010, 220 pages.
- NAO Humanoid Robot Manual, 2010, 60 pages.
- Humanoid Robotis Robotic Manual, 2010, 180 pages.
- C++ & Object Oriented Programming, Course Notes, 2005, 100 pages.
- PHP and MySQL Programming, Course Notes, 2009, 180 pages.
- Data Structure in C++, Course Notes, 2006, 120 pages.
- Data Structure in VB, Course Notes, 2006, 120 pages.
- Simulation Modeling and Analysis Course Notes, 2004, 180 pages.
- Digital Control using MATLAB Course Notes, 2001, 170 pages

PROJECTS

- Software Engineering, Design, Development, and Implementation.
- Web Based Systems Design and Implementation.
- Integrated Software Development.
- Multilanguage Multimedia Software Development.
- Digital Control Systems Design and development.

RESEARCH

- 2D&3D-Systems: New Modeling, Analysis, and Design.
- 2D&3D-Systems: Controllability, Observability, and Stability.
- PID Digital Controller.
- Laser Beam Digital Control System.
- Robot Digital PID Control.
- Real Time Discrete Functions Generator.
- Simulation Modeling Analysis and Design.

ADDITIONAL SKILLS

- Academic Advising.
- Multilanguage Software, Web, and Apps Design.
- Humanoid Robotics: Control, Programming, and manipulation.