

**Gerald M. Guglielmo**

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## **CURRICULUM VITAE**

- 1963 Born March 12th in Chicago, Illinois.
- 1981 Graduated from Maine Township High School East, Park Ridge, Illinois.
- 1981-1982 Attended University of Chicago, Chicago, Illinois.
- 1982 Joined Illinois Air National Guard and Graduated from basic training at Lackland Air Force Base, San Antonio, Texas.
- 1982-1983 Studied at the Air Force School of Electronic Communications and Cryptographic Systems Repairman at Lackland Air Force Base, San Antonio, Texas.
- March, 1983 Graduated with honors from the Air Force School of Electronic Communications and Cryptographic Systems Repairman.
- 1983-1984 Attended Triton College, River Grove, Illinois.
- 1984-1986 Physics major at the University of Illinois, Urbana-Champaign, Illinois.
- Feb., 1985 Appointment to Noncommissioned Officer Status in the grade of Sergeant.
- Nov., 1985 Membership in the Honor Society of Phi Kappa Phi.
- May, 1986 B.S., Cum Laude with Highest Distinction in the Curriculum, University of Illinois.
- July, 1986 Honorable Discharge from the Air National Guard.
- 1986-1987 Technician, University of Illinois High Energy Physics Group. Worked on the construction and installation of the Central Drift Tube detector for CDF at Fermi National Accelerator Laboratory, Batavia, Illinois.
- 1987-1994 Graduate student in physics, University of Minnesota, Minneapolis, Minnesota.
- 1987 Summer Research Assistant in Experimental High Energy Physics for the University of Minnesota. Worked with the E756 (Measurement of the Magnetic Moment of the Omega Minus Hyperon) collaboration at Fermi National Accelerator Laboratory, Batavia, Illinois.
- 1987-1988 Quarter time Graduate School Fellow and quarter time Teaching Assistant for undergraduate physics senior lab.
- July, 1988 Honorable Discharge from the United States Air Force.

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- 1988-1989 Quarter time Research Assistant, worked on analysis of data from E756, and quarter time Teaching Assistant for undergraduate physics senior lab.
- 1989-1994 Research Assistant in Experimental High Energy Physics and worked at Fermi National Accelerator Laboratory, Batavia, Illinois. Active participation in the analysis of E756. My thesis experiment was E800 (Precision Measurement of the Magnetic Moment of the Omega Minus Hyperon), and my advisor was Ken Heller. Designed the neutral and charged collimators for E800. Major responsibility was the online data acquisition system and the gating electronics for the experiment (Vax, SCC, FIFOs). Assisted with the trigger logic electronics, detector hardware, and detector readout electronics (SSD latches, MWPCs).
- May, 1991 Aneesur Rahman Prize for outstanding scholarly accomplishments during graduate student career. University of Minnesota Physics Department Award.
- 1991-1992 Graduate School Dissertation Fellowship.
- August, 1994 Ph.D. Physics, University of Minnesota. Thesis title "Measurement of the Decay Asymmetries of the Omega-Minus Baryon".
- 1994-Today Postdoc for the University of Oklahoma on the D0 experiment. Primary responsibilities included work on the level 2 trigger system and simulation as well as research and development for the upgrade silicon vertex detector. The silicon effort focused on developing and implementing measurement and characterization processes for silicon wafers. Primary analysis effort was on extending a fast Monte Carlo simulation to model a new technique for identifying muon tracks in the DØ detector for the  $Z + \gamma$  production analysis.
- July, 1995 Fermilab Annual User's Meeting talk on "Qcd at the Tevatron."
- May, 1996 XI Symposium on Hadron Collider Physics talk on "Measurement of the  $W + 1 \text{ Jet}/W + 0 \text{ Jets}$  Cross Sections."
- June, 1997 XVII International Conference on Physics in Collision talk on "QCD Aspects of  $W/Z$  Production at the Tevatron"

List of publications in refereed journals and conference proceedings available upon request.