1231 SW 3rd Ave. #121. Gainesville, FL 32601 ⋕ Phone: 954-464-0834 ⋕ E-mail: drharold@ufl.edu

Harold Rodriguez

Objective Motivated student and researcher seeking position at cutting-edge research institution.
Focus on intelligent systems and digital signal processing, leading to a Ph.D. in Computer Science.

Education

DEGREES:

Bachelor of Science in Physics, University of Florida. College of Liberal Arts & Sciences.
Bachelor of Science in Computer Science, University of Florida. CLAS.

Graduation: May 2008 Cumulative GPA: 3.5/4.0
Bright Futures 100% Tuition Scholar
Hispanic College Fund Scholar

COMPUTER BACKGROUND:

Systems Simulation	Artificial Intelligence	Data Structures and Algorithms
Software Engineering	Computer Organization	Digital Logic

MATH BACKGROUND:

Numerical Analysis	Linear Algebra	Calculus 3	Differential Equations
Electrodynamics	Mechanics 2	Optics	Quantum Mechanics

Research Experience

Fall '05-present Virtual Experiences Research Group. Mentor: Dr. Benjamin Lok
RESEARCH ASSOCIATE, VIRTUAL ENVIRONMENTS RESEARCH GROUP (VERG)
Developed program to compare, alter, and visualize speech in 3D.
Designed, coded, and ran Virtual Reality study.
Created medical 3D geometry, widely used by other researchers in the group.
Research papers and details: http://www.planetharold.com

Fall '06-07 University of Florida LISA Team. Mentor: Dr. Guido Mueller
SIMULATIONS PROGRAMMER, LISA SPACE INTERFEROMETER
Programmed DAQ/FPGAs (in C) for data delay simulations.
Designed integrated-logic blocks for more accurate data processing of phasemeter.
Aligned laboratory fiber optics.

Technical Skills

Visual C++ Certified
Fluent in C, C++, MFC, MATLAB, Java, web script (HTML/PHP/Oracle/SQL)
3D graphics (OpenGL, OGRE, Maya)
Digital signal processing programming

Service Positions

EDITOR, PRODUCTION MANAGER. Undergraduate Physics Newsletter.
WEBMASTER. Society of Physics Students (S.P.S.), U.F. Chapter.
TECH SUPPORT. Enovations, Inc.

Activities

Learning	Salsa dancing	Piano/Drums
Rock climbing	Breakdancing	Gymnastics

References

Dr. Benjamin Lok, Research Mentor.	(352) 392-1492.	lok@cise.ufl.edu
Dr. Guido Mueller, Research Mentor.	(352) 392-8521.	mueller@phys.ufl.edu
Dr. Amlan Biswas, S.P.S. Advisor.	(352) 392-8592.	biswas@phys.ufl.edu
Dr. Laura Ellis, Music Professor.	(352) 392-0223x221.	lrellis@ufl.edu