

Alejandro de la Puente
Florida International University
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Objective:

CyberBridges Graduate Fellowship opportunity for science and computer engineering

Academic Preparation:

- **B.S. in Physics, summa cum laude:** School of Arts and Sciences, Florida International University, Summer 2005
Undergraduate Advisor: Pete Markowitz
- **PhD in Physics:** Florida International University, Expected completion Fall 2010
Graduate Advisor: Rajamani Narayanan

Skills:

- Monte Carlo Simulations in C++ programming
- Java programming
- Linux operating system
- Shell programming
- Network administration

Languages:

Fluent in both English and Spanish

Professional Experience:

Teaching Assistant, Fall 2005, Physics Department, Florida International University

Courses, Fall 2005:

- Advanced Electrodynamics
- Advanced Classical Mechanics
- Mathematical Physics
- Classical Physics Qualifier Exam, passed

Publications:

Monte Carlo Simulations for a Photomultiplier's One-Photoelectron Response, poster presentation at 72nd Annual Meeting of Southeastern American Physics Society, University of Florida, 2005, and oral presentation at Florida International University 2005 Summer Research Institute Symposium

Current Research Interests:

- Computational Physics
- Particle and Nuclear Physics
- Gauge Field Theory
- Path Integral Formulation
- Lattice Quantum Chromodynamics

Awards & Affiliations:

- Ronald E. McNair Post Baccalaureate Fellowship, Florida International University, Summer 2005

- Phi Beta Kappa Society