

CHRIS PEDERSEN

2706 Bay Dr. ◇ Bradenton, Florida 34207
(941) · 313 · 0085 ◇ Cep11k@my.fsu.edu

EDUCATION

Florida State University
M.S. in Physics

December 2012

New College of Florida
B.A. in Physics

May 2011

Thesis: Measurement of the Proton Spin Structure Function g_1 with Data from the EG1-DVCS Experiment

EXPERIENCE

Florida State University
Graduate Researcher and Teaching Assistant

August 2011 - May 2015
Tallahassee, FL

- Graduate researcher in Experimental Hadronic Physics specifically data analysis for hadron spectroscopy.
- Teaching assistant in charge of leading lab classes for introductory Physics 1 and 2 for 6 semesters including summers.
- Primary tutor in the library for all undergraduate physics including physics 1&2, Modern physics, Mechanics, E&M 1&2, Stat Mech, and Quantum 1&2 classes for one semester.
- Research primarily consisted of data analysis and simulation using C++, ROOT, and custom libraries specific to JLAB's CLAS detector.

College of William and Mary
Undergraduate Researcher

June 2010 - August 2010
Williamsburg, VA

- Undergraduate researcher in Experimental Hadronic Physics through the NSF R.E.U. program.
- Began learning ROOT and doing data analysis using C++ and the ROOT library.

TECHNICAL STRENGTHS

Computer Languages	C++, bash/tcsh, Python, C#*
Protocols & APIs	XML, JSON
Databases	MySQL
Tools	ROOT, Vim, Emacs, SVN, Git, Mathematica, Latex
Game Engines	Unity*, UE4*, CryEngine/Lumberyard*

*Items I only have limit experience with and a basic level of mastery.

GENERAL STRENGTHS

- Very strong math background including advanced calculus, advanced linear algebra, differential equations, probability, and some knowledge of group theory
- Very strong problem solving and logical thinking skills
- Experience dealing with large custom code libraries
- Experience dealing with large amounts of data and advanced data analysis techniques