

# CHRIS PEDERSEN

2706 Bay St. ◇ Bradenton, Florida 34207

(941) · 313 · 0085 ◇ Cep11k@my.fsu.edu

## EDUCATION

---

### Florida State University

*December 2012*

M.S. in Physics

At time of degree GPA: 3.094

Overall GPA: 2.792

### New College of Florida

*May 2011*

B.A. in Physics

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

## EXPERIENCE

---

### Florida State University

August 2011 - May 2015

*Graduate Researcher and Teaching Assistant*

*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
- Tutoring in 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 using C++, ROOT, and custom libraries specific to JLAB's CLAS detector

### College of William and Mary

June 2010 - August 2010

*Undergraduate Researcher*

*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

---

<b>Computer Languages</b>	C++, bash/tcsh, Python(basic knowledge), C# (basic knowledge)
<b>Protocols &amp; APIs</b>	XML, JSON
<b>Databases</b>	MySQL
<b>Tools</b>	ROOT, Vim, Emacs, SVN, Git, Mathematica, Unity, Latex

## 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