

CHRIS PEDERSEN

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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

Siege.gg
Developer

April 2018 - Current
Remote Work

- Back end web development using PHP, SQL, and Laravel
- Designed a database for handling all match information and a program to read data from google sheets to an SQL database for use on the site

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. Research primarily consisted of data analysis and simulation using C++, ROOT, and custom libraries specific to JLAB's CLAS detector.
- 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 for one semester.

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 Programming and doing data analysis using C++ and the ROOT library.

TECHNICAL STRENGTHS

Programming Languages	PHP, C++, bash/tcsh, Python
Protocols & APIs	XML, JSON
Databases	SQL
Tools	Laravel, ROOT, Vim, Emacs, SVN, Git, Mathematica, 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 amounts of data and advanced data analysis techniques
- Experience with teaching as well as one on one and group tutoring