David M. **Riser**

Research Assistant · Graduate Student

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Research Interests

Nucleon Structure from DVCS Using Deeply Virtual Compton Scattering we can extract Generalized Parton Distributions (GPDs)

Education

University of Connecticut *Storrs, Connecticut*

M.S. in Physics *August 2015*

- General Exams & Coursework Completed August 2015
- Relevant Coursework - Electrodynamics, Relativistic Quantum Mechanics

Delaware State University *Dover, Delaware*

B.S. in Physics *May 2013*

- Relevant Coursework - Scientific programming, Optical electronics

Skills

Programming and Software	C/C++, FORTRAN, JAVA, PERL, tcsh, LaTeX, Mathematica
Operating Systems	Windows, Macintosh OS, Linux (Ubuntu, RHEL7, Mint)
Hardware	Basic electronics & circuitry, Frequency stabilization systems
Languages	English (Fluent), Spanish (Intermediate-Advanced)

Experience

Thomas Jefferson National Accelerator Facility & University of Connecticut *Newport News, VA*

Research Assistant *June 2015 - Present*

- A
- B
- C

Honors & Awards

Spring 2015 **Teaching Excellence Award**, Office of Provost *University of Connecticut*

Presentation

CLAS Collaboration Meeting, Deep Processes Working Group *Jefferson Lab, Newport News, VA*

CLAS12 Beamline Background Studies with GEMC *Spring 2016*

- Shared results from a Monte Carlo study aimed at increasing operating luminosity for CLAS12 by reducing background coming from beamline elements.

Emerging Researchers National Conference *Washington DC*

Optical Squeezing Based on a 4 Wave Mixing Technique *Spring 2013*

- Presented details of an experimental setup under construction to produce “squeezed light”

Writing

A Guide for Developers in Start-up *Facebook Page*

Founder & Writer *Jan. 2015 - PRESENT*

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab *S.Korea*

Undergraduate Student Reporter *Oct. 2012 - Jul. 2013*

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.