

Charles Costello

Address ▪ Professional Email ▪ Website (if applicable) ▪ Phone Number

Education

Creighton University, Omaha, Nebraska May 2014
Bachelor of Science -Applied Physical Analysis with Emphasis in Computer Science GPA: 3.9

St. John's College, Santa Fe, New Mexico May 2010

Experience

Brookhaven National Laboratory, Upton, New York
AMQP Quality Assurance Intern September 2013 – Present

- Utilized Message Queue and Event Processing Software to Control STAR Components

Slow Controls Developer Intern May 2013 – August 2013

- Designed and Developed Finite State Machine Software Program
- Controlled Solenoid Tracker at RHIC with Program

Creighton University Department of Physics, Omaha, Nebraska
Research Assistant January 2013 – Present

- Developed Interface between LabVIEW and EPICS Software Programs
- Integrated Barrel Electromagnetic Calorimeter Control with STAR Control System

Tutor September 2013 – Present

- Tutored Junior Research Group Members in EPICS Software Program

Presentations

“Development of a Finite State Machine and a New LabVIEW Interface for STAR” October 2013

- American Physical Society, Newport News, Virginia – Presenter: Charles Costello

“Integration of the STAR BEMC Control System” April 2013

- Nebraska Academy of Science, Lincoln, Nebraska – Presenters: Charles Costello and Ryan Gnabasik

Computing Skills

- Java, C++ and Python Programming Languages
- LabVIEW and EPICS Control Systems
- AMQP and Apache Qpid Messaging Tool
- Linux, Mac, and Windows Operating Systems

Awards and Certifications

- Creighton University Dean's List (6 Semesters)
- Phi Beta Kappa Honor Fraternity
- Alpha Sigma Nu Jesuit Honor Fraternity

Service and Additional Experience

- Omaha Fire Department, Omaha, Nebraska September 2012 –October 2012
- Methodist Hospital, Omaha, Nebraska September 2012 – October 2012
- Creighton Florence Clinic, Omaha, Nebraska May 2012 – December 2012
- Senior Friendship Center Clinic, Sarasota Florida May 2011 – May 2012
- Fall Break Service Trip, Milwaukee, Wisconsin October 2011
- Spring Break Service Trip, Denver, Colorado March 2011