

Nguyen (Peter) V. Truong

Contact Information

Cell: (518) 417 - 0764
nv03truo@siena.edu

Permanent Address

35 Beach Ave.
Albany, NY 12203

Personal Statement

Fast Learner – Quick adaptation to new environments and efficient development of necessary skills

Autonomous – Organized, articulate, and resourceful work strategies

Result Orientated – Productive fulfillment of a project's essential steps and main goals

Education

2010 - 2014 **Siena College – Loudonville, New York**
B.S.: Physics, Computational Science, and Computer Science Triple Major; Mathematics Minor
GPA: 3.42

Relevant Experience

Summer 2012 – Current **Research and Development Intern at X-Ray Optical Systems (XOS)**
Measured liquid and solid samples on High Definition X-Ray Fluorescence (HDXRF) instruments for analyzing X-Ray interaction properties with focus on varied compositions and certified element standards

Fall 2013 – Current **Lead Developer for JPREP (Java Programming Repository & Education Platform) Project at Delta Tech**
Structured and organized the development of a web-based assignment system that provides a secure platform for students to solve problems and faculty to administer questions accessible through credential logins

Fall 2011 – Current **General Physics Tutor at Siena College**
Reviewed key general physics I and II concepts with students to complete assignments and prepare for exams

Summer 2011 – 2012 **Undergraduate Physics Research Assistant at Siena College**
Programmed series of code (Python and MATLAB) to administer incoming data from public sources for data analysis and presentation for the Terrestrial Gamma Ray Flashes and Auroral GPS Scintillation Project

Projects / Leaderships

Spring 2013 – Current **Urban Scholars Minecraft Camp Project Leader at Siena College**
Managed Science, Technology, Engineering, and Mathematics (STEM) goals for the scholars to accomplish through the usage of Mojang's Minecraft platform. Primarily instructed kids of the ages 7 – 14

Fall 2013 **Simulation and Modeling Independent Study (PHYS 350) at Siena College**
Researched on computer simulation and modeling methods with application to physical systems using the programs Gadget-2 and Blender through a high-performance computer cluster

Fall 2012 – Current **Vice-President at Siena's Physics and Astronomy Club**
Led club events that included brown bag research talks, rocket launch competitions, and research symposiums

Summer 2012 **Firestation Project at Ad Astra Rocket Company (Houston, Texas)**
Structured an interface system that would decode Firestation satellite log files and provide with the appropriate results for data analysis through MATLAB for its launch into space

Presentations

Fall 2012 **Summer Research Symposium**
Presented research on the analysis of consumer products for hazardous toxic elements using X-Ray Fluorescence through the collaboration of Siena Summer Scholar's and X-Ray Optical Systems

Fall 2011 **2011 American Geophysical Union Fall Conference (San Francisco, California)**
Presented research on NASA sponsored Firefly cube-satellite and Firestation upcoming launch information

Computer Skills

MATLAB, Octave, Mathematica, Java, Python, ROS, JavaScript, HTML, Alice, Microsoft Office, LaTeX, Windows, Linux, Mac OS