

Professional Experience

Assistant Physicist

BigLabs, Los Angeles, CA | August 2019 - Present

- Maintain DoE Q clearance
- Thorough understanding of codes and regulations and safe practices
- Research, development, conception, and construction in synchrotron x-ray beamline
- Data acquisition and experimental documentation
- Investigating diagnostics to benefit customer experiments, assess machine performance and quantify radiation output
- Experimenting with noise reduction methods to enhance the diagnostic signal fidelity

Education

Bachelor of Science in Physics

University of California Los Angeles, Los Angeles, CA | September 2010 - June 2014

Doctorate of Philosophy in Physics

University of California Los Angeles, Los Angeles, CA | September 2014 - June 2019

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Curious physicist with an exceptional grasp of research and development. In-depth working knowledge of theoretical physics, optics, magnetics, mathematics, and thermodynamics. Highly adept at applying complex concepts and calculations in an array of environments. As proficient in communication and public speaking as I am in academics, with a strong affinity for working as part of a team and independently. Take a critical approach to problem-solving and don't stop until I understand each and every detail of the task at hand.

Key Skills

- Advanced physics and mathematics
- Research techniques
- Written and verbal communication
- Analysis and imaging software
- Abstract thinking