COREY OSES

Ph.D. Candidate in Materials Science, Duke University

PERSONAL INFORMATION

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OBJECTIVE

To obtain a graduate degree and perform research relevant to Materials Science and Engineering in order to develop my technical and managerial skills and make significant contributions to Duke University.

EDUCATION

2013–Present **Duke University**

Doctor of Philosophy

GPA: 3.7/4.0 · Department: Mechanical Engineering and Materials Science
Thesis: *Advanced Techniques in High-Throughput Computational Materials Science*
Advisor: Stefano Curtarolo

2009–2013 **Cornell University**

Bachelor of Science

GPA: 3.3/4.0 · Department: Applied and Engineering Physics
Thesis: *Pulsed Laser Deposition Simulation*
Advisor: Joel Brock

2005-2009 **Bloomfield High School**

High School Diploma

GPA: 3.9/4.0 · *Graduated fifth in class of 428*

RESEARCH

2015–2018 **Advanced Techniques in High-Throughput Computational Materials Science**

Duke University

Advisor: Stefano Curtarolo

Fall 2012–Spring 2013 **Pulsed Laser Deposition Simulation**

Cornell University

Developed a robust, three-dimensional Monte-Carlo simulation of the Pulsed Laser Deposition material growth technique used at the Cornell High Energy Synchrotron Source.
Advisor: Joel Brock

Summer 2012 **Synchrotron Radiation Focusing Optics — Capillary Beam Stop Design**

Cornell High Energy Synchrotron Source

Designed and implemented a beam stop assembly to eliminate parasitic X-Ray beams and improve focusing capabilities of the ellipsoidal glass capillary optic.
Advisors: Ernest Fontes & Rong Huang

PUBLICATIONS

January 2013 **Publication Title**

Full Journal Name

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Authors: John Smith, James Smith

October 9, 2016