

Robert “Lynn” Graham

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Education

University of Texas at Dallas, Richardson, Texas

Bachelor of Science, Chemistry

August, 2014

Thesis: Fabrication and Optimization of Thermally Driven High Performance Polymer Artificial Muscles for Energy Harvesting

Collin County Community College, Plano, Texas

2008 - 2012

Research / Internship / Work Experience

University of Texas at Dallas, Richardson, Texas

2013 – 2014

Research Advisor: Mikhail Kozlov

Fabrication and optimization of thermally driven, artificial muscle polymers for energy harvesting.

Researched how constant heat sources could be leveraged to generate thermal actuation in polymers analogous to the performance of nitinol solid state heat engines

Collin County Community College, Plano, Texas

2010

Research Advisor: Chris Doumen

- Studied the changes in regulation of radical fixating enzymes (ex. superoxide dismutase) in oligochaetes when subjected to an oxidative environment.
- Selected to participate in the CASMNS program.

Internship Advisor: Carole Twichell

- Participated in the Service Learning Program
- Assisted chemistry/biochemistry lab staff and professors and maintained the lab environment to quality and safety standards

Videotex Systems, Richardson, Texas

2004 - 2010

Manager of Technical Services, 2007 – 2010

Technician, 2004 – 2007

- Designed, integrated and maintained the hardware and software of over 500 digital video systems for live and post production
- Traveled to in and out of state clients to install hardware and train the client on its use
- Collaborated with sales staff to identify and resolve client needs and exceed client customer service expectations
- Routinely investigated and resolved new and challenging computational performance and production workflow problems
- Worked independently while managing projects, setting priorities and directly interacting with clients