Kevin Dale Parrish

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Education:

Carnegie Mellon University, Pittsburgh, PA May 2013, August 2013-
Ph.D. in Mechanical Engineering GPA: N/A
M.S. in Mechanical Engineering GPA: 3.9

Research: Currently working towards a paper on the effects of strain on thermal transport and phonon components in Lennard-Jones argon

Relevant Coursework: Molecular Simulation of Materials, Advanced Thermodynamics, Numerical Methods

The Johns Hopkins University, Baltimore, MD May 2011
B.S. in Chemical and Biomolecular Engineering GPA: 3.2
Concentration in Molecular and Cellular Bioengineering

Relevant Coursework: Transport Phenomena I & II, Modeling Dynamics/Control, Intermediate Programming

Experience:

Nanoscale Transport Phenomena Laboratory - Pittsburgh, PA May 2012 - Present
Student Researcher

- Laboratory lead by professor Alan McGaughey focused on the study of thermal and phonon transport at the nanoscale using computational techniques for both application-specific devices and theory
- Used computational techniques such as molecular dynamics (LAMMPS), lattice dynamics (GULP), and normal mode decomposition

Ted Ross Consulting, LLC - Montgomery Village, MD August 2011 - December 2011
Mechanical Systems Engineer Intern

- Designed HVAC and plumbing system upgrades for integration into existing systems for commercial, condominiums, and multi-unit residential buildings
- Used Carrier® Hourly Analysis Program to model the thermal requirements of buildings and AutoCAD to draw project specification sheets
- Determined best retrofit options for buildings based on energy loads, client's needs and budget

Johns Hopkins Academic Advising - Baltimore, MD February 2011 - May 2011
Study Consultant

- Advised academically struggling engineers
- Provided general academic advice with specific studying techniques

Johns Hopkins Varsity Football - Baltimore, MD 2007, 2009 - 2010
Defensive Lineman

- 2009 NCAA DIII Playoffs. 2009, 2010 Centennial Conference champions
- Committed 25-30 hours per week

Technical Skills:

Software: LAMMPS, GULP, C, C++, Python, MATLAB, Java, Linux (cluster administration), MS Office Suite, 2D AutoCAD, Carrier® Hourly Analysis Program