

EDUCATION

- 2011– **M.S., Georgia Institute of Technology, Atlanta, GA.**
Computer Science, Specialization in Systems Software. Current GPA: 3.5
Expected completion: May 2013.
- 2009–2011 **Post-Graduate Research, Georgia Institute of Technology, Atlanta, GA.**
Completed 2 years of a 4-year Ph.D. program in Materials Engineering. GPA: 3.9
Modeling and simulation research in mechanics of $\alpha+\beta$ titanium alloys.
- 2004–2009 **B.S., Georgia Institute of Technology, Atlanta, GA.**
Materials Science and Engineering. GPA: 4.0

Advanced Coursework

- Computer Science Adv. Operating Systems, Real Time & Embedded Systems, Computability and Algorithms, HPC Architecture, Distributed and Internet Computing, Applied Cryptography.
- Modeling & Simulation Statistics & Numerical Methods, Continuum Mechanics, Adv. Constitutive Relations, Quantitative Characterization of Materials, Parallel Scientific Computing.
- Engineering Mechanical Behavior of Composites, Thermodynamics of Materials, Kinetics of Phase Transformations, Studies in structure-property relationships of alloys, ceramics, polymers, semiconductors, and composites.

SELECT SCHOLARSHIPS & AWARDS

- Henry Ford Award**, for the junior engineering student with the most outstanding academic record.
- Wohlford Co-Op Scholarship**, for outstanding contributions to Tech and high scholastic achievement.
- President's Scholarship**, Tech's premier merit-based scholarship awarded to approximately 2 % of students.
- National Merit Scholarship**, awarded to the top 0.6 % of the 1.4 million or so high school applicants.
- S. Truett Cathy Scholar Award**, awarded to the top 25 Chick-fil-A employees nationwide for demonstrated excellence in the areas of work, education, community and personal leadership development.

EXPERIENCE

- 2012 **Teaching assistant?**
- 2009–2011 **Post-Graduate Research, Georgia Institute of Technology, Atlanta, GA.**
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- 2005–2009 **Engineering Intern, Southern Research Institute, Birmingham, AL.**
Five co-op terms as a engineering assistant, performed high-temperature materials research for the aerospace industry.
- Designed a facility capable of thermogravimetry and dilatometry of carbon-phenolics up to 650 °C under pressures up to 4.15 MPa.
 - Studied the kinetics of phenolic resin pyrolysis using isothermal and nonisothermal thermogravimetry at temperatures up to 1100 °C. Wrote a report that was presented at the 56th JANNAF Propulsion Meeting.
 - Spearheaded effort to develop, build, and test a facility capable of tensile permeability tests up to 1900 °C.
 - Ran and maintained a permeability facility testing carbon-phenolic composites up to 1300 °C.