

Stephani Gulbrandsen
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Education

Georgia Institute of Technology, Atlanta, GA August 2009- August 2013

Ph.D. candidate in Materials Science and Engineering

- 3.5 GPA; Research on stress corrosion cracking mechanism of austenitic stainless steels in high temperature ethanol-water environments found in organosolv delignification processes
- Relevant Coursework: Pulp and Paper I, Pulp and Paper II, Electroanalytical Chemistry, Pulping and Bleaching Chemistry, Chemical Engineering Processes in the Pulp and Paper Industry

Franklin W. Olin College of Engineering, Needham, MA Graduated May 2009

B.S. in engineering with a concentration in materials science

Skills

Microsoft Office, Solidworks, Slow strain rate tests, Immersion tests, User oriented collaborative design process, Optical microscopy, Scanning electron microscopy, Energy dispersive X-ray spectroscopy

Experience

DfR, Solutions Internship, College Park, MD Summer 2008, Winter 2009, Summer 2009

- Assisted employees with failure analysis projects of electronics components, particularly capacitors
- Responsible for electronics reliability studies to assess reliability of different capacitor manufacturers and to evaluate effectiveness of lead-free solders

Corning, Inc. Internship, Corning, NY Summer 2007, Winter 2008

- Conducted exploratory research on the effects of ultrasonics on the electrodeposition of nickel and on potential gradients achieved by varying the applied potential on polyaniline samples

RISE Summer Intern, Santa Barbara, CA Summer 2006

- Studied electrochemical deposition parameters of Pt and Ru for use in direct methanol oxide fuel cells under the guidance of a graduate student

Automated Microfluidics Microscope, SCOPE Project at Olin College Fall 2008-Spring 2009

- Worked with a team of students on a year long project to design and build an automated microscope for use in a microfluidics lab at Brandeis University

Activities

Treasurer Graduate Student TAPPI Chapter at IPST at GA Tech Winter 2010- Summer 2011

Teaching Assistant for Materials Science Senior Design Course at GA Tech Fall 2011

Girl Scout Troop Leader Fall 2010- Spring 2012

Graduate Women's Event Coordinator for MSE Department at GA Tech Fall 2010- Present

Personal

Travelling, Crossfit, Babysitting, German