

Current Address
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Permanent Address
105 N Rainsong Rd
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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Mechanical Engineering, December 2010

GPA: 3.81

Honors Program, HOPE Scholar, Five Year BS/MS Program, International Plan

BP Pi Tau Sigma Scholarship, International Plan Stipend, President's Undergraduate Research Grant

Atlanta, GA

Georgia Tech Lorraine

Study Abroad Term

Université de Technologie de Compiègne

Exchange Student

Metz, France

8/2008–12/2008

Compiègne, France

1/2009–7/2009

EMPLOYMENT HISTORY

AREVA Nuclear Power • Paris, France • *Integration of Control Systems Intern* • 7/2009–12/2009

Built tools in Python for document analysis, which were designed to be maintained by non-programmers. Translated over 500 pages of French technical documentation to English.

Silentale – *silentale.com* • Paris, France • *Consultant* • 10/2009–12/2009

Worked with lead developer to scale backend of web application, which included evaluating NoSQL data stores. Designed features and improvements, which involved the full stack of a Ruby on Rails deployment. Communicated with clients in French.

Shaw Industries Incorporated • Dalton, GA

Computer Integrated Manufacturing Intern

5/2008–8/2008

Completed a number of programming tasks involving SQL, VB.NET, OPC, TPC/IP, and PLC ladder logic.

Information Services Intern

5/2007–8/2007

Georgia Institute of Technology • Atlanta, GA • *CS 1371, Computing for Engineers Teaching Assistant* • 1/2007–5/2008

Hired as a freshman. Taught recitations, held Help Desk hours, and led 100+ person review sessions for three semesters.

ACTIVITIES

• Microsoft Imagine Cup–Mashup Category World Champion

7/2009

Won *first place* in international software development competition dedicated to advancing the United Nations Millennium Development Goals. Architected and wrote over 10,000 lines of code as well as marketed a web application. Technologies employed included XML, JSON, Natural Language Processing, Java Servlets, PHP, and AJAX.

• ACM International Collegiate Programming Contest Team

4/2008

World Finals Competitor

• GT Sandia Labs Engineering Design Challenge *Champion*

4/2010

• Undergraduate Research at Systems Realization Laboratory with Dr. Chris Paredis

1/2010–5/2010

Formulated linear programming and algebraic modeling problems for optimization of hydraulic drive train architectures.

• Undergraduate Research in Ultrasonics with Dr. Nico Declercq

8/2008–12/2008

Designed and built an ABAQUS finite element model of ultrasonic wave propagation through anisotropic media.

• Freshman Council Sophomore Advisor

8/2007–5/2008

Chosen as one of five advisors for the most selective Freshman Leadership Organization at Georgia Tech. Organized interviews, retreats, and team building activities for thirty freshmen leaders.

• TEAM Buzz Community Service Day, *Steering Committee*

6/2008–8/2008

• Sophomore Summit, *Steering Committee*

1/2008–4/2008

• Honors Program, *Retreat Leader*

8/2007

INTERESTS

Freelance web design and development • Campus MovieFest, *Qualifier for Atlanta 2008 and 2010 Finale*