Dorothy Collins

Seeking full time employment following graduation in May 2011

Current Address:
3223 N. Wilton, 1N
Chicago, IL 60657

708-337-0452
dcollin8@iit.edu

Permanent Address:
1519 Burr Oak Road
Homewood, IL 60430

References available upon request

Education

Illinois Institute of Technology, *Chicago, IL* — Graduating: May 14, 2011

Bachelor of Science in Materials Science and Engineering

Minor in Chemistry

Major GPA: 3.83/4.00

IIT Camras Scholar *(full tuition scholarship program)*

Relevant Coursework

MMAE 370/476: Materials Laboratory I & II
MMAE 468: Ceramic Materials
MMAE 485: Manufacturing Processes
MMAE 470: Polymeric Materials
MMAE 465: Electronic and Magnetic Properties of Materials

Work Experience

Program Assistant: Public Allies Chicago, *Chicago, IL* — June 2010 - Present

Coordinated dozens of interviews at non-profit organizations across Chicago and developed new system to appropriately match candidates with positions

Internship: Senior Flexonics, *Bartlett, IL* — June 2008 – August 2008

Improved and expanded company's patent search and review system for various diesel engine components

Production Assistant: All Cell Technologies, *Chicago, IL* — November 2007 – June 2008

Assisted with production and design of novel battery thermal control systems, using CNC mill and AutoCAD

Research and Project Experience

Interdisciplinary Project: Integration of Process Improvements, *with* A. Finkl and Sons, *Chicago, IL* — January 2011 – May 2011

Tasked with developing method of detecting broken cutting inserts in large scale mills

Research Position: Continuous Bending in Tension — January 2010 – May 2010

Experimentally found ideal parameters for maximum fracture strain in low carbon steel sheet using tensile tests with simultaneously applied bending moment and partial anneal

Interdisciplinary Project: Heating System for Rural Peru — January 2010 – May 2010

Collectively designed combined cooking stove/hearth for rural Peruvian home using affordable, local materials and constructed prototype

Skills

Proficient operating high-power optical microscope
Proficient mounting and polishing samples
Experience operating scanning electron microscope and x-ray diffractometer