

Thomas Z. Dalton

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EDUCATION

Georgia Institute of Technology, Atlanta, GA

August

2007- May 2011

- Bachelors of Science in Physics
- Study Abroad Program at the American University in Cairo Spring 2009

ACADEMIC HONORS

Dean's List: Fall 2007, Spring 2008, Fall 2008, Fall 2010

Awards: Sidney Goldin Scholarship (2010, 2009, 2008, 2007), M. & W. Adams Scholarship (2008, 2007), J & E Strickland Scholarship (2008, 2007), H & M Bourne Scholarship (2008), Clayton & Williams Scholarship (2008), Thomas Flagler, Jr. Scholarship (2007), C. D. LeBey Scholarship (2007)

EMPLOYMENT HISTORY

Volkswagen Group of America, Chattanooga Operations, Chattanooga, TN

October 2011 - Present

Quality Analysis Intern, Quality Department

- Scheduled audits to ensure conformity with current federal safety standards (FMVSS and CMVSS)
- Updated audit checklist using Excel formulas and macros to reflect part changes and to improve the audit process
- Replaced interior components following curtain airbag testing
- Participated in the design and construction of instrument panels for airbag testing
- Updated assembly process flow chart
- Organized data collected from rework areas in order to identify and track faults

Dalton Lumber Company, Lewisburg, TN

May 2010 -

August 2010

General Labor

- Operated and maintained sawmill equipment
- Operated heavy equipment such as forklifts and loaders

Calsonic Kansei, Lewisburg, TN

May 2008

- July 2008

Production Technician

- Assisted in the production of automobile dashboards
- Assembled components for automobile heating and cooling systems

COMPUTER SKILLS

Software: Microsoft Office, MATLAB

Languages: MATLAB, C++, Visual Basic

COURSEWORK

Classical Mechanics, Quantum Mechanics, Electrodynamics, Thermodynamics, Statistical Mechanics, Electronics, Stellar Astrophysics, Differential Equations, Probability and Statistics, Economics and Policy, Global Financial Economics, Arabic (16 hours of credit)

LANGUAGE SKILLS

- Intermediate writing and conversational skills in Arabic
- Lived in Egypt for 6 months for a study abroad program in Cairo