



3971 Mountain Vista Rd.
Knoxville, TN 37931

SCOTT J. KETRON



(423) 502-4909
sketron1@utk.edu

Talented young professional with varied expertise and training in:

MATERIALS SCIENCE AND ENGINEERING

Well rounded, quick learner with an impressive **hands-on knowledge base** encompassing all areas of **materials science and engineering**, as well as **maintenance and reliability**. Regarded by peers and mentors as a self-starter with a **whatever-it-takes attitude**, as demonstrated by **outstanding academic achievement**.

Experience and academic preparation include:

- Optical Microscopy and Characterization
- Diffusion Principles
- Materials Selection in Design
- X-ray Diffraction / Characterization
- Cellular Biology
- Organic Chemistry
- Principles of Polymeric Materials
- Codes and Standards of Materials Testing
- Electronic/Optical/Magnetic Material Properties
- SEM Operation and Sample Preparation
- Principles of Ceramic Materials
- Mechanics of Materials
- All Aspects of Aircraft Maintenance

Currently studying:

- Solar Photovoltaics
- Maintainability and Reliability Engineering
- Failure Analysis
- Principles of Metallic Materials
- Materials Processing

EDUCATION

Bachelor of Science in Material Science and Engineering

University of Tennessee, Knoxville TN

May 2011 Graduation Date -- **3.74 GPA** currently

Associate of Science in Mathematics

Northeast State Tech. Comm. College, Blountville TN

Graduated in 2009 -- **3.69 GPA**

Certificate in Aviation Maintenance

Aviation Institute of Maintenance, Lawrenceville GA

Graduated in 2007 -- **3.98 GPA**

AWARDS

- Fall 2007 - V.P. List (3.8 GPA)
- Fall 2008 - President's List (4.0 GPA)
- Spring 2008 - President's List (4.0 GPA)
- Fall 2009 - Magna Laude (3.79 GPA)
- Spring 2010 - Magna Laude (3.77 GPA)
- Fall 2010 - Magna Laude (3.78 GPA)

SCHOLARSHIPS

Hope Scholarship: 2009 - 2011
National Science and Math Talent Grant: 2009 - 2011
Abraham Levy Memorial Scholarship: 2009 - 2010
Engineering Fee Scholarship: 2010 - 2011

MEMBERSHIPS, CERTIFICATIONS, AND AFFILIATIONS

- The Minerals, Metals, and Materials Society
- The American Ceramic Society
- Association for Iron & Steel Technology
- The Materials Information Society (ASM)
- FAA Airframe and Powerplant Mechanics License

RELATED EXPERIENCE

Research Assistant: (Spring 2010) Assisted graduate students performing experiments concerning magnetic field effects on photocurrent generation. Designed equipment to test capacitance of organic solutions.

Metal Fabrication: (2004 - 2007) Fabricated sheet metal (steel, aluminum, copper) according to blueprints, performed QC on parts, performed boiler maintenance, and die-setting.