

Current Address  
910 Ease 5th Street  
Tucson, Arizona 85705  
(520) 555-1212

**Stephanie Care**  
Email • scare@hotmail.com  
Cellular • (520) 555-1212

Permanent Address  
700 North 20<sup>th</sup> Avenue  
Phoenix, Arizona 85021  
(602) 555-1212

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**OBJECTIVE** To obtain a full-time position in the test or research and development energy systems mechanical engineering field

**EDUCATION** University of Arizona, Tucson, Arizona  
Bachelor of Science/Mechanical Engineering  
3.50/4.0 GPA - Honors College

**EXPERIENCE**

- Boeing Rocketdyne - Test Operations Division, Canoga Park/Edwards Air Force Research Laboratory, California  
Intern - Student Engineer, 05/2002-08/2002
- Designed and modeled test chamber exhaust and support system in AutoCAD and produced detailed facility layouts and pneumatic drawings of toxic systems to support THAAD missile defense program
  - Wrote engineering work requests, obtained permits, oversaw technicians, procured equipment, and prepared presentation slides necessary for test facility readiness
- University of Arizona Biomedical Engineering Department, Tucson, Arizona  
Independent Study Research Student, 01/2002-05/2002
- Programmed and operated DARPA funded Sciperio Biological Architecture Tool to print three dimensional cell/polymer (chemical, thermal, and light activation) constructs for immune system and tissue replacement applications
  - Wrote beginner's manual and trained others using the machine
- NASA Space Grant Consortium, Tucson, Arizona  
Undergraduate Research Intern, 09/2001-05/2002
- Designed, modeled, and produced a temperature controlled vacuum enclosure for a CMOS camera board using Pro/ENGINEER
  - Presented results of research at NASA's Eleventh Annual Statewide Symposium
- Boeing Satellite Systems - Electromechanical Products Division, El Segundo, California  
BS Engineering Intern, 05/2001-08/2001
- Referenced drawings and personnel to write Ground Support Operations move roster and pack and ship production planning manuals for 601 and 702 spacecraft lines
  - Reformatted Microsoft Excel files and organized data
- City of Phoenix - Engineering and Architectural Services Department, Phoenix, Arizona  
Engineering Tech, 05/2000-08/2000
- Cross-referenced construction plans to all streets impacted by the type of construction performed in an extensive indexing system and wrote a detailed report of the volume, type, and timeline for indexing these plans
  - Operated large volume Oce' reprographic equipment to produce oversize construction drawings and aerial photographs

**TECHNICAL SKILLS** AutoCAD, MATLAB, Microsoft Office, Pro/ENGINEER

**AWARDS** Alhambra Foundation for the Future, College of Engineering and Mines Dean's List, Ford Credit Drives America Scholarship, Glendale Union High School District Achievement Above All Award, KPHO Phoenix Channel 5 "Great Kid", University of Arizona Achievement Scholarship, University of Arizona Provost Scholarship, University of Arizona President's Scholarship, University of Arizona Tradition of Excellence Scholarship

**ACTIVITIES** University of Arizona College of Engineering and Mines Ambassador, 05/2001-Present  
American Society of Mechanical Engineers - design contest competitor, 01/2000-Present  
University of Arizona Shadowcat - prospective student ambassador, 01/2000-Present  
Clareo Honorary - philanthropy chairperson, 09/2001-05/2002  
University of Arizona Cubesat - mechanical design team member, 09/2001-05/2002  
University of Arizona Solar Racing Team - car construction hand, 01/2000-05/2000

References Available Upon Request