

# TAHIR M. AHMAD

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## OBJECTIVE

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A full time position in the area of analog or mixed signal integrated circuit design

## EDUCATION

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**2001 to present**                      **University of Arkansas GPA: 4.0**                      **Fayetteville, Arkansas**

- Master of Science in Electrical Engineering. Expected Graduation: December 2003.

### Relevant Courses:

Analog IC  
IC Design Lab I & II  
Digital Circuit Testing

Mixed-Signal Test Engineering  
Mixed-Signal Modeling and Simulation  
Power Switching Converter

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**1998 to 2001**                      **Oklahoma State University GPA: 3.7**                      **Stillwater, Oklahoma**

- Bachelor of Science in Electrical Engineering.
- Senior-year project: "Fire Protection Robot." A team of three designed and built a robot that was able to find a lit candle in a designated maze.

## EXPERIENCE

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**January 2003**                      **Lennox Ind.**                      **Stuttgart, Arkansas**  
**to Present**                      **Eugene Szelagowski**  
   **Facility Manager**

### **CO-OP FACILITY ENGINEER**

- Analyze power system at the Lennox Plant, determine needs for the plant as machines are added to and moved around the plant.
  - Design emergency exit system in the plant.
  - Work at the quality department concerning the wiring department and the Run Test stations.
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**August 2001**                      **University of Arkansas**                      **Fayetteville, Arkansas**  
**to December 2002**                      **Dept. of Electrical Engineering**  
   **H. Alan Mantooth, Ph.D., P.E.**

### **GRADUATE RESEARCHER**

- Research and design on **High Voltage Bias Circuitry** for a MEMS Microgyroscope for Space Navigation Systems.
  - Model a **Phase-Locked Loop (PLL)** as A Clock Recovery Circuit in a VLSI Monolithic Chip using VHDL-AMS.
  - Design and laid out **Ultra-low Current Measurement IC** for Brain Probe.
  - Grade Electronics I homework for Fall 2001 and Spring 2002.
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**September 2000 to  
May 2001**

**Computing and Information  
Services Lab.  
Oklahoma State University**

**Stillwater, Oklahoma**

**COMPUTER ASSISTANT**

- Assist lab users with hardware and software.

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**COMPUTER SKILLS**

- IC Design CAD: Cadence, VHDL-AMS, Mentor Graphics, Tanner, Magic.
- Operating System: Windows, UNIX.
- Programming: Visual C++, Perl, Python, C, Pascal, Fortran, Assembly Language.
- Simulator: Saber, Matlab, PSpice.
- Proficient in Microsoft Office 2000.

***HONORS***

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- Phi Kappa Phi: Spring 2001.
- Rife Scholarship: Summer 1998.

***EXTRACURRICULAR ACTIVITIES & INTERESTS***

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- IEEE, member: April 2002 - Present
- Indonesian Students Association at Fayetteville, Arkansas, Vice President: June 2002 - December 2002
- Al-Islam Students Association at Univ. of Arkansas, President: Nov. 2001 - December 2002
- Eta Kappa Nu, member: May 1999 - Present
- Oklahoma State University Honor Program: August 1998 - 1999
- Sports Interest: Basketball, Mountain Biking, Hiking, and Caving.

*References are available upon request*