

# John Smith

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56 Kennedy Drive • South Burlington VT, 01234  
Cell (primary): 802-XXX-XXXX • Home: 802-XXX-XXXX • CustomerService@shinyresume.com

**OBJECTIVE:** To obtain an entry-level position that utilizes my experience in electrical engineering as an Integrated Circuit (IC) transistor-level designer.

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## PROFESSIONAL EXPERIENCE

- ASIC Engineer** April 2005 – July 2007  
IBM, ASIC Methodology, Burlington VT
- Drove the initial integration of an industry standard tool for power routing into the IBM ASIC Methodology
  - Defined, tested and implemented power routing for high performance 65 nm ASICs
  - Developed and tested technology control files for 45nm and 65nm ASICs
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## SUMMARY OF QUALIFICATIONS

**Relevant ID Design Programs:** Cadence Virtuoso, Mentor IC, Hspice, ESP  
**Programming Languages:** Verilog, Java, C++, Perl, TCL, Matlab  
**Skills:** Transistor-level circuit design, Circuit verification and testing, Schematic design, Layout design, Unix

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## RELATED EXPERIENCE

- NSF Teaching Fellow** September 2004 – December 2005  
Duke University, Durham NC
- Taught inquiry-based science lessons to middle school students
- Teaching Assistant** September 2001 – May 2004  
Johns Hopkins University Computer Science Department, Baltimore MD
- Instructed classes in Intro to Java I, Intro to Programming in C++ and Datastructures
- Research Assistant** June 2003 – September 2003  
Johns Hopkins Hospital MRI Research Lab
- Designed a pressure signal acquisition circuit and computer program for a tissue elasticity imaging system
- Lab Assistant** September 2002 – February 2003  
Johns Hopkins Hospital, Radiology
- Transferred data between database systems, set up hardware and software, and updated websites
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## EDUCATION

- Duke University, Durham NC** December 2005  
Master of Arts in Electrical and Computer Engineering GPA: 3.177 / 4.0
- Johns Hopkins University, Baltimore MD** May 2004  
Bachelor of Science in Electrical Engineering and in Computer Engineering GPA: 3.19 / 4.0  
Minor in Computer Science and Mathematics
- Carnegie Mellon University Pre-College Program, Pittsburgh, PA** August 1999  
Certificate in Electrical and Computer Engineering, and Computer Science GPA: 3.45 / 4.0
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## ACTIVITIES

- President of Muslim Students Association, Johns Hopkins University August 2000 – May 2003
- Elected President in second year
- Volunteer, Franklin General Hospital, Valley Stream, NY September 1998 – May 1999