

## CONTACT INFORMATION

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## OBJECTIVE

Aspiring a challenging opportunity as a Computer Engineer

## TECHNICAL & SOFT SKILLS

- **Hardware:** Embedded Systems Design: Renesas M16C/62P, AVR Butterfly, TI MSP430, BS2, 8051, 8085, x86, ATmega, Sensors, Xilinx FPGA Implementation
- **Software:** VHDL, C/C++ (Pthreads, OpenCV), Linux drivers, Python(beginner) & Bash scripting, Java, ModelSim, Xilinx FPGA tools
- **Web:** HTML, ASP.NET, Joomla CMS
- **Application:** VB.NET, Navision C/AL
- Software Life Cycle, Organization-Planning, System Requirements Study, MS Office

## EDUCATION

- **M.S., Electrical & Computer Eng,** University of North Carolina at Charlotte (**Aug 2007-present**)
  - **Thesis topic:** Resilient Computing (Advisor: Ron Sass)
  - Extensive experience with **C, VHDL, Embedded Systems Design, Xilinx FPGAs, Linux drivers, JTAG debugging**
  - RCC Project [NSF grants CNS 06-52468 (CRI) and CNS 04-10790 (EHS)]
- **B.E. Electronics Eng., University of Mumbai, (Sept 2002-June 2006)** – exposure to Image Processing & Robotics, Final Project at Larsen & Toubro Ltd.

## PUBLICATIONS

- AG. Schmidt, WV. Kritikos, **Rahul R. Sharma** and R Sass. AIREN: A Novel Integration of On-Chip and Off-Chip FPGA Networks. **FCCM'09**
- R Sass, **Rahul R. Sharma**, N DeBardeleben. Towards a Hardware Fault Injection Testbed to Support Reproducible Resiliency Experiments. **HPDC Resilience'09**

## PROFESSIONAL EXPERIENCE

- **Web Developer/Technical Support** at College of Health and Human Services, UNC Charlotte (**Part-time with M.S** – Oct'07 to present)
- **ERP Software Developer** at Navtech E-Solutions Pvt. Ltd, Mumbai (**Full-time** Sept'06 – May'07) – Microsoft Dynamics NAV ERP Implementation, .NET.
- **Project Intern** at Larsen and Toubro Pvt. Ltd, Mumbai (**Part-time with B.E.** May'05 – May'06) - Design and development of precise fuel dispensing system.

## PROJECTS

- Network-on-Chip implementation – Adv. Reconfigurable Computing (Fall'08)
- Autonomous vehicle development – Adv. Embedded Systems (Fall'07-Spr'08)
- Multicore Computing Implementation for Image Processing algorithms (Spr'08)
- D-Algorithm implementation for Digital System Testing (Spr'08)