

ASWIN RAMAKRISHNAN

Mobile (303)-589-5724

9551 University Terrace Drive, Apt C
Charlotte, NC 28262

aramakr2@uncc.edu / aswinramakrish@hotmail.com

Career Objective To work in Software Development, applying my strong analytical and technical skills.

Education

Master of Science, Computer Engineering December 2010
University of North Carolina at Charlotte, Charlotte, North Carolina

B.E., Electrical and Electronics Engineering May 2009
Anna University, Chennai, India

Skills

- **Languages:** C, C++, Java, C#.
- **Web Development:** ASP .Net, JSP, AJAX, jQuery, Silverlight, Windows Sharepoint Services 3.0, Microsoft Office Sharepoint Services 2007, WCF Services, Web Services.
- **Databases:** MySQL, SQL Server 2005.
- **Operating Systems:** Windows variants, Linux variants
- **Software Development Tools:** Microsoft Visual Studio 2005 / 2008 / 2010. Microsoft Expression Blend 3, Microsoft SQL Server 2008, NetBeans 6.x.
- **Embedded Software Development Tools:** High Performance Embedded Workshop (HEW) for Renesas SKP16C62P, Keil Micro Vision, Mentor Graphics ModelSim, AVR Studio, Player / Stage (OSS), PIN Tools (OSS).
- **Embedded Boards Used:** Renesas M16C/62P, Renesas RX62N, MSP 430, Atmel ATmega 128, Technologic Systems TS7200.

Industrial Experience

Junior Software / Application Engineer (Intern I)

Parsons Brinckerhoff, Denver, Colorado June 2010 – August 2010

- Worked on Silverlight, Sharepoint and ASP.NET and learnt effective Software Development Design and Development techniques used in the Software industry.

Software / Application Engineer (Intern II)

Parsons Brinckerhoff, Denver, Colorado September 2010 – December 2010

- Currently working as a part-time employee.

Academic Experience

Analysis of Floating Point operations on an Embedded System, UNC Charlotte

Individual Project – December 2010

- Working on a Chapter involving Floating Point operation and analysis, as a part of the book written by the graduate advisor Dr. James Conrad on Renesas RX-62N microcontroller.

Wifi Enabled Embedded ARM Board, UNC Charlotte

Advanced Embedded Systems Class – May 2010

- Ported Embedded Linux (Debian Sarge) on an Embedded ARM board (TS 7200).
- Created a Socket Programming Application that communicates through Internet.
- Implemented the application over the onboard Ethernet and Wifi (ASUS WL 167G Wireless USB).

Testing Digital Systems, UNC Charlotte Digital Systems Testing Class – May 2010

- Created a C program that reads a netlist and calculates fault equivalence, fault dominance, collapse ratio, observability and controllability.

Obstacle Avoidance of iRobot Create and Simulation using Player / Stage, UNC Charlotte Embedded Systems Class – December 2009

- Implemented obstacle avoidance using Player 2.1.2 (OSS) and iRobot Create.
- Simulated iRobot Create using Stage 2.1.1 (OSS) in a pre-defined environment.

Edge Detection of an image and its Performance Evaluation using PIN tools, UNC Charlotte Computer Architecture Class – December 2009

- Implemented Edge Detection on a PPM image.
- Used PIN tools to identify and analyze the memory operations and the performance parameters for edge detecting the image.

A Mechanism for Domestic Power Reduction and Security, Anna University Undergraduate Project – May 2009

- Designed and implemented a domestic power reduction and security mechanism for domestic appliances.
- Used AT89C51 to control the domestic appliances.
- ZigBee was used for communication between Host and Agent devices.

A Web Application for a Theater Management System using ASP.NET, NIIT Private Limited

ANIIT Curriculum – December 2008

- Created an ASP.NET web application using C# for a virtual Theater.
- Used SQL Server 2005 for maintaining records and Silverlight 1.0 for providing rich interfaces

A Hotel Management System using C#, NIIT Private Limited

ANIIT Curriculum – May 2008

- Created a Windows Application using C# for managing a virtual Hotel.
- The records were maintained and used using SQL Server 2005 and ADO.NET.

Activities and Honors

- Student In Free Enterprise - SIFE. India, 2007 to 2008.