

Education

- **University of North Carolina at Charlotte** Charlotte, NC
Graduate Student in Computer Science; GPA:3.90 Aug. 2012 – present
 - Key Courses: Algorithms & Data Structures; Software System Design & Implementation; Database Systems; Survey of Programming language; Computer communication and networks

Related Experience

- **UNC Charlotte (Networking research Lab)** Charlotte, NC
Research Assistant Aug. 2012 – Present
 - Collected and pre-processed data and designed routing algorithms for mobile social network.
 - Wrote code using C and Java to implement some heuristic algorithms to simulate message deliver process.
- **InfoScore Company** Charlotte, NC
Summer Intern May 2013 – Aug. 2013
 - Developed Windows Service to check, process and update scanned checks and statements data.
 - Added features to web services in processing different financial documents in multiple data centers.
 - Added features to refine webpages display and facilitate client to process bad quality documents easier.
 - Scripted and debugged complex stored procedure and data layer to extract desired data from DB.
- **Clarkson University** Potsdam, NY
Research Associate April. 2011 – March 2012
 - Conducted research on fracture behaviors in composite materials under fatigue load.
 - Designed and developed a software using Python to help clients to perform numerical analysis and plot results.

Skills

Programming Languages:

1. Proficient in Java.
2. Familiar with C/C++, C#, JavaScript, Python, PHP

Database System Management:

1. Familiar with SQL server, and MySQL.
2. Knowledge in PostgreSQL, Oracle database, SQLite and MongoDB.

Web and Mobile App. Development Skills:

1. Familiar with HTML5, CSS3, JavaScript, JQuery, and Ajax.
2. Experience with Web app. developments using Visual Studio in C# with Silverlight.
3. Experience in developing Web application using Node.js.
4. Knowledge in J2EE, Spring, Hibernate and Struts Frameworks.
5. Knowledge in Web application development with Python (Django), PHP (Symfony and Drupal).

Computer and OS: Linux (Ubuntu, shell scripting) and Windows, Version Control with TortoiseSVN and GitHub.

Projects

Web-based Electronic Payment Processing System Development: Improved and added new features for the Web-based financial processing system using C#, .Net framework and Silverlight.

Book Rental Web application development: Database schema design and refinement, SQL query and stored procedure programming. Develop a Web-based Application using C#, .Net framework and SQL server.

Android Moblie App. for Charlotte Nature Museum Exploration: Develop an Android application using Java in an agile development process. Investigated current status of Charlotte Nature Museum and users requirements; composed Documents; Presented Demo in classroom; Finalize and refine final prototype.

Aircraft service life assessment software development: This software developed by Python provides friendly interface to facilitate clients predict the service life of existing infrastructures.