

# THANH NGUYEN

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## OBJECTIVE

Experienced software / database engineer looking for a fulltime position where I can utilize my .NET web developing, database optimizing and internet marketing skills.

## EDUCATION

### University of Minnesota, Twin Cities, Minnesota

Master of Science in **Computer Science**, 12/2006

GPA: 3.67 / 4.00

### Vietnam National University, Ho Chi Minh City, Vietnam

Bachelor of Science in **Software Engineering** with Honor, 08/2002

GPA: 9.15 / 10 (Rank 1<sup>st</sup> / 400).

## SKILLS

Languages: **OOD/OOP (C++, C#, Java)**, Python, **SQL (T-SQL, PL/SQL)**, **Matlab**.

Web: **HTML, ASP.NET (1.1, 2.0), XML (XPATH, XSLT), J2EE (JSP, Servlet, RMI, Java Bean, JDBC, Struts), AJAX.**

DBMS: **SQL Server (2000, 2005), Oracle, Access, MySQL.**

Tools: **Visual Studio .NET (2003, 2005), Visual Studio 6, Rational Rose, Power Designer, IIS, Crystal Report, MS SQL Reporting Service.**

Experience: **Search engine optimization (SEO), URL Rewriting, Server Load Balancing**

## WORK EXPERIENCE

### Software Engineer, 123Print Corporation, MD, USA, 01/2007 – Now

- [www.123print.com](http://www.123print.com): An online business cards and custom printing system.
  - Implemented the credit card encryption package as a web service.
  - Designed and implemented an automatic email marketing reminder system which is individualized for each customer based on their visit actions and orders.
  - Designed and implemented a flexible discount system that can provide different price schemes based on different referral sources.
- An important project currently under legitimation paper work (expected release *May 2007*)

### Database Administrator, 123Print Corporation, MD, USA, 01/2007 – Now

- Administrated several database servers (MS SQL 2005) for local testing and live working including [www.123print.com](http://www.123print.com) and [www.designitdepot.com](http://www.designitdepot.com) (limited IP access).
- Optimized the old database design and implementation for better performance.
- Implemented complex T-SQL scripts to migrate the design data from 123Print database to OfficeDepot and Staples databases.

### Intern Developer, Andale Software Company, MN, USA, 06/2006 – 08/2006

- **Human Resource Management Software:** An employee candidates management software
  - Used C#, Infragistics Controls, SQL Server.
  - Implemented the front-end C# forms using Infragistics Controls.
  - Implemented and integrated a new email management tool into the existing system.

### Senior Software Engineer, TVH Corporation, Vietnam, 10/2000 – 07/2004

- **Online Soccer Bet – Team Leader / Website Administrator:** The first and the biggest online soccer bet for Vietnamese.
  - Used DotNetNuke Portal, ASP.NET, C#, SQL Server, XML/XPATH, IIS.
  - Designed the system architecture and optimized database performance.
  - Applied XML/XPATH to extract instantly match result from the live score website.

- Applied AJAX-based techniques for web pages highly required interactive
- **Stock Trader - Team Leader / Website Administrator:** A simulative, online stock exchange operating like the completely new Vietnam stock exchange market (2002).
  - Used ASP.NET, VB.NET, SQL Server, IIS.
  - Designed system database and data communication between the database and Excel files.
  - Implemented the stock orders matching algorithm and important web pages.

**Research Assistant**, University of Minnesota, Twin Cities, 01/2006 – 05/2006

- **Texture splatting:** An interactive texture mapping for point-based models
  - Involved in implementing algorithm and building demos for the paper (C++, OpenGL, Pointshop 3D).
  - Got the Most Promising Research Breakthrough Award – Computer Science Graduate Student Association Poster Conference 2006. Accepted by PacificGraphics Conference 2006.

**Research Assistant**, Vietnam National University, 09/2002 – 08/2005

- **Vietnamese word segmentation:** A novel approach using the web corpus, Google-based statistic and genetic algorithm
  - Developed and conducted the main genetic algorithm (C++, Google API).
  - Experimented on the testing corpus and adjusted algorithm parameters.

**Teaching Assistant / Lecturer**, Vietnam National University, 09/2002 – 08/2005

Instructed lab hours and gave lectures on several courses including Database System & Design, Information System Analysis and Design, Object Oriented Analysis & Design.

## PUBLICATIONS

Minh X. Nguyen, Xiaoru Yuan, *Thanh V. Nguyen*, Jie Chen, Baoquan Chen and Huamin Qu, **Texture Splatting**, PG2006 - Pacific Graphics 2006, Taipei, 10/2006.

Xiaoru Yuan, Minh X. Nguyen, *Thanh V. Nguyen* and Baoquan Chen, **Interactive Texture Mapping for Point-Based Models**, I3DG2006 - ACM SIGGRAPH Symposium on Interactive 3D Graphics and Games, Redwood City, CA, 03/2006.

*Thanh V. Nguyen*, Hoang K. Tran, Thanh T.T. Nguyen, Hung Nguyen, **Word Segmentation for Vietnamese Text Categorization: An online corpus approach**, RIVF2006 - Research, Innovation and Vision of the Future - The 4th IEEE International Conference in Computer Science, Hochiminh City, Vietnam, 02/2006.

## PROFESSIONAL ACTIVITIES

Member of Administrative Board of Young Lecturers Association, Faculty of Information Technology, University of Natural Sciences, Vietnam National University, 2004 – 2005

General Secretary of Administrative Board of Hochiminh Student Stock Club, [www.vnbourse.com](http://www.vnbourse.com), 2002 - 2003.

## COURSE WORK

**Advanced Internet Programming, Creating the Social Web**, Data Communications & Computer Networks, Computer Graphics, Computer Vision, Advanced Data Structure & Algorithm, Numerical Analysis, Combinatorial Optimization.

## ADDITIONAL INFORMATION

Programming samples, project screenshots and demos available upon request and online at <http://www.cs.umn.edu/~thnguyen/demos>.