

## Thi Nguyen, B.Sc.

Usability/Accessibility Research and Consulting  
University Outreach and Engagement  
Michigan State University  
93 Kellogg Center  
219 S. Harrison Rd.  
East Lansing, MI 49924  
517-353-8977  
nguye118@msu.edu

## Education

### University

- B.Sc. Michigan State University – East Lansing, Michigan
- Computer Science, 2005

### Certificates

- Microsoft Certified Application Developer Microsoft .NET — May 2009
- Microsoft Certified Systems Engineer Windows Server 2003 — Aug 2007
- Microsoft Certified Systems Administrator Windows Server 2003 — Jul 2007
- Microsoft Certified Technology Specialist SQL Server 2005 — Jul 2007

## Work Experience

Senior .NET Developer for Usability/Accessibility Research and Consulting, University Outreach and Engagement, Michigan State University, MI, Aug 2013-Present

Enhanced and expand the following systems

- *Michigan Workforce Background Check System (CMS Expansion)*

The primary goal of this project is to enhance the existing background check system to add more agencies into the system. Add web services to communicate with other systems directly.

- *Michigan Workforce Background Check System (Enhancement)*

The primary goal of this project is to modernize the system user interface to work with current browsers, update and combine interfaces to enhance usability, and update database and code to improve performance.

- *Michigan Background Check System (Health Professional Licensee Expansion)*

The primary goal of this project is to enhance the existing background check system to add Health Professional Licenses to the system. Added a web service to communicate with L2K system to transfer application data and fingerprints results. Created a new portal for HPL analysts to manage applications.

Senior Web Application Specialist, Yale New Haven Health System, Center for Healthcare Solutions (YNHHS-CHS), 2011-2013

Participated in development of the following systems

- *Washington Background Check Central Unit Replacement*
- *Puerto Rico Background Check System*

- The primary goal of these projects was to create systems to replace their current systems. Led the team to develop new components and enhance the user interface for efficiency, accessibility, and usability. Led the design and development efforts for the applicant-based systems to increase efficiency and reduce costs.

Successfully developed the following systems

- *Delaware Background Check Center*
  - The primary goal of this project was to create a system to replace the current system. Led the team to develop new components and enhance the user interface for efficiency, accessibility, and usability. Led the design and development effort of an applicant-based system to increase efficiency and reduce costs.

Senior .NET Developer for Usability/Accessibility Research and Consulting, University Outreach and Engagement, Michigan State University, MI, 2008-2011

Successfully maintained and enhanced the systems

- *Michigan Workforce Background Check System (Phase II)*
  - The primary goal of this project was to enhance the existing background check system. Led the team to develop new component and enhance the user interface for efficiency, accessibility, and usability. Led the design and development effort of an applicant-based system to increase efficiency and reduce costs.

2005-2008 - .Net Developer for Office for Research Development Team, Office for Research, College of Communication Arts and Science, Michigan State University, MI, 2005-2008

Successfully developed the following systems

- *Michigan Workforce Background Check System (Phase I)*
  - This project was part of the national pilot program to enhance background checks for workers in long-term care, hospice and home health agencies. The primary goal of this project was to develop and implement an effective background check system. This system includes the legislation, funding, and infrastructure that is necessary to mandate and operate a standardized system of background checks for all employees with direct access to patients or clients in the specified vulnerable groups. Involved with planning, analysis, design, implementation, and maintenance of a web-based application that assists employers in conducting background checks for potential employees and communicates information in a secure and timely manner. Our approach was later adapted by the Senate Special Committee on Aging as model for the national legislation.
- *Office for Research (CASO4R)*
  - The Office for Research promotes research efforts within the College of Communication Arts & Sciences by providing guidance and support to investigators applying for research grants and fellowships. Developed a web-based application that facilitates a culture of research through regular communication and relationship building across departments and across campuses.

- *Violence Against Women (VAW)*
  - The Violence Against Women Research and Outreach Initiative is a multidisciplinary group of faculty at Michigan State University committed to engaging in community-based, collaborative research and evaluation that is highly rigorous while also having significant practice and policy implications at local, state, national and international levels. Developed a web-based application that provides a vehicle for MSU faculty and students to effectively collaborate with each other and with community members to engage in a variety of research and outreach activities.

## Technical Skills

- .NET Framework 2.0/3.5/4.0/4.5/4.6
- .NET Core
- Web Forms 2/4
- MVC 3/4/5
- Java EE 6+
- PHP 4+
- Html5 mobile application
- Android mobile application
- AJAX
- CSS 2/3
- JavaScript (jQuery, requiresjs, knockoutjs, angularlajs etc...)
- xhtml/html5
- Web Services (POST, ASMX, WCF, RESTful)
- SQL Reports
- Crystal Reports
- T-SQL (DDL, DML, TCL)
- Entity Framework/Linq
- Code first / model first development
- NHibernate
- Design patterns, SOLID principles, TDD
- Subversion/Git/TFS
- Web/mobile Accessibility (WCAG 2.0)
- Manage, setup and configure servers (Windows, Linux, Mac) development environment.
- Azure / AWS experiences
- Nodejs