

# XueYing (Dora)Hu

3A Computer Science University of Waterloo

## about

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## programming

C#, C++, C, Java,  
SQL, VB, VB.NET,  
MIPS x32, Racket,  
.NET Framework

## web

AngularJS, Angular2,  
jQuery, JavaScript,  
Bootstrap, TypeScript,  
node.js, HTML, CSS

## database

Oracle,  
MS SQL Server,  
Microsoft Access

## other

Linux, Android SDK,  
Crystal Report,  
Entity Framework,  
Microsoft Excel,  
Dependency Injection,  
Asynchronous Coding,  
Automapper, LaTeX,  
SharePoint

## summary

- High level web solution delivery expertise demonstrated by work experience
- Strong ability to transfer client requirements to technical functionality
- Knowledgeable in relational database and technical design and able to foresee potential difficulties
- Excellent leadership skills proven by experience in organizing large-scale events at work and school
- Outstanding time management skills to complete multiple assignments with quality exceeding expectations

## experience

01-04 2016 **.NET Developer**

Ontario Ministry of Education, Toronto, ON

05-08 2015

- *Dramatically decreased costs* for reference table maintenance by rewriting management module to be completely dynamic and data driven
- *Spearheaded first co-op innovation day* and awarded for innovative solution
- *Collaborated with senior management* on event organization and solution implementation

Ontario Schools Information System(OnSIS): Multi-million dollar bilingual, interactive intranet-enabled .NET Web Application that collects, manages and reports data regarding Ontario Boards, Schools, Educators, and Students

- Implemented functional requirement to collect new information including new tables, UI change, business rule validation, reports generation, XML batch file update
- Maintained accurate reporting for submission period-based historical data
- Wrote database script for aggregation of time and type dependent Ontario diploma data
- Adapted quickly to iterative waterfall model maintaining continuous discussion with business and QA team
- Resolved defects by analyzing root cause and examining specifications

Ontario Early Years Child and Family Center: New C# .NET MVC and Angular2 data collection project

- Designed website user interface
- Actively involved in requirement gathering from client and providing technical solutions
- Provided support in database design by clarifying client requirements and requesting modifications
- Organized and transformed client needs into technical specifications and user stories
- Gained knowledge of initial project front-end and back-end infrastructure development

Enhanced Data Collection Solution: A platform for hosting many complex, bilingual, interactive application that allows for the collection, management and reporting of Ontario education data

- Conformed projects across the platform to accessibility standards by conducting detailed research and cooperating with QA team
- Fixed defects in UI, data retrieval and reporting, and business logic
- Implemented search functionality of college programs for ministry users
- Provided guidance and knowledge transfer for new team members

## education

since 2014 **Bachelor** candidate in Computer Science University of Waterloo, Waterloo, Ontario  
*Relevant Courses:* Object-Oriented Software Development, Data Structures and Data Management, Foundations of Sequential Programs, Elemental Algorithm Design and Data Abstraction

## applications

06 2016 **Syntax** MSFTHacks  
Achieved basic context-based search using Microsoft linguistic analysis API.

2015 **Who is the Spy?** Android app  
Digitized group game and replaced human players with automated process for generating description.

## awards

04 2015 **Co-op Innovation Day Award** Ontario Ministry of Education

12 2015 **Dean's Honour List** University of Waterloo

07 2014 **President's Scholarship of Distinction** University of Waterloo

11 2014 **National Novel Writing Month Winner** National Novel Writing Month  
Wrote 50,000+ words novel

## interests

07 2016 **Political Science Research** University of Waterloo  
- Published journal article in East Asia: An International Quarterly (DOI: 10.1007/s12140-016-9259-5)  
- Working on new research project with Dr. Hongying Wang on Chinese outward direct investment

since 2015 **Committee Director** University of Waterloo Model G20  
- Discussed and decided upon committee procedures and topics  
- Coordinated committee members to complete research and writing for committee study guides  
- Debated global issues in external conferences