XueYing (Dora) Hu

2B Computer Science University of Waterloo

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SUMMARY OF QUALIFICATIONS

- Strong ability to accept high-level technical requirements and transfer them into desired functionality
- Highly efficient in completing assignments with high quality that exceeds expectations
- Quick in learning and applying new concepts
- 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 demonstrated by simultaneously working on two to three projects as a .Net developer
- Experienced with:
  - **Programming languages**: C#, C++, C, Java, JavaScript, SQL
  - **Frameworks**: .NET, Entity Framework, AngularJS 1+2
  - **Database**: Oracle, MS SQL Server, Microsoft Access
  - **Software development processes**: waterfall, iterative waterfall, agile
  - **Other**: Crystal Report, Microsoft Excel, Bootstrap, Automapper, Dependency Injection

WORK EXPERIENCES

.Net Developer   May 2015 – August 2015
Community Services Cluster,   January 2016 – April 2016
Ontario Ministry of Education, Toronto, Ontario

Achievements
- **Dramatically decreased reference table maintenance cost** by rewriting reference table management module to be **completely dynamic and data driven**
- **Spearheaded the first CSC Co-op Innovation Day** that aimed to create a more innovative cluster culture, received support from the CIO and directors in the cluster and the Ministry of Training, Colleges, and Universities Deputy Minister, and **awarded for innovative solution**

Ontario Schools Information System (OnSIS)
Project Highlights: Multi-million dollar .NET Web Application, bilingual, interactive intranet-enabled application that collects, manages and reports regarding Ontario Boards, Schools, Educators & Students
- Implemented functional requirement for a new piece of collected information including new tables, UI change, business rule validation, associated reports generation, XML batch file update
- Maintain accurate reporting of historical data based on submission periods
- Wrote database scripts for new report that aggregate time and type dependent diploma request information across Ontario
- Adapted quickly to changes within iterative waterfall model accompanied by continuous discussion with business analyst and quality assurance teams
- Resolved defects by analyzing its root cause and carefully examining specifications and code logic

Ontario Early Years Child and Family Center (OEYCFC)
Project Highlights: New data collection project for hundreds of Child and Family Centers using C# .NET MVC and Angular2

- Discussed requirements with clients and provided suggestions and technical solution
- Organized and transformed client needs into technical form specifications, user stories, and business requirement document
- Provided support in database design by clarifying client requirements and requesting modifications
- Designed website user interface that was approved by clients and technical team
- Gained knowledge of initial project front-end and back-end infrastructure development

Enhanced Data Collection Solution (EDCS)
Project Highlights: 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 the QA team
- Fixed defects in UI, data retrieval and reporting, business logic in Program Funding Approvals and Administration Module (PFAAM), Literacy Numeracy Secretariat Year End Report Back (LNSYERB), Library Statistics
- Implemented search functionality of college programs for ministry users in PFAAM
- Provided guidance and knowledge transfer for new team members

AWARDS

- **CSC Co-op Innovation Day Award**, Ministry of Education, Apr 19, 2015
- **Dean's Honour List**, University of Waterloo, December 2015
- **President's Scholarship of Distinction**, University of Waterloo, Sept. 2014
- **National Novel Writing Month Winner**, National Novel Writing Month, Nov. 2013 and 2014
    Wrote 50,000+ words novels

EDUCATION

Candidate for Bachelor of Computer Science   September 2014 – 2019 (expected)
University of Waterloo, Waterloo, Ontario
   Relevant Courses
   - Object-Oriented Software Development: bash scripting, software design and testing
   - Elemental Algorithm Design and Data Abstraction: data structure, abstraction, algorithms

OTHER TECHNICAL EXPERIENCES

Android Game Side Project, August 2015 – Present
"Who is the Spy"
- Digitized group game and replaced human players with automated process for generating description
- Independently developed and self-taught android development technology

ACTIVITIES & INTERESTS

Committee Director, University of Waterloo Model G20   May 2015 – Present
Secretariat, Waterloo, Ontario
- Coordinated committee members to complete research and writing for committee study guides
- Discussed and decided upon committee procedures and topics
- Represented assigned countries and debated global issues in external conferences