XueYing (Dora) Hu

3B Computer Science University of Waterloo

about

(226) 220-2337
dora.hu@uwaterloo.ca
dora-hu.azurewebsites.net
github.com/Kyarie

programming

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

web

Angular, jQuery, JavaScript, Bootstrap, TypeScript, node.js, HTML, CSS, MVC architecture

database

Oracle, MS SQL Server

cloud

Docker, Kubernetes

other

Linux, Android SDK, Crystal Report, MS Excel, Multi-threading, LaTeX, SharePoint

achievements

– Created an automated deployment service released world-wide in 4 Salesforce production centers that enabled teams to instantly ship updates with greater confidence

– Implemented new data driven and dynamic solution that greatly improved efficiency of a management module at Ministry of Education

– Awarded for innovative idea during co-op innovation day in the Ministry of Education

– Published original research and quantitative data analysis in peer-reviewed political science journals

– Excellent leadership skills proven by experience in organizing large-scale events at school and work

experience

01-04 2017   **Software Infrastructure Engineering Intern**   Salesforce, San Francisco, CA

– *Automated deployment process* for control services in SAM (Salesforce's cloud platform-as-a-service) reducing deployment time from hours to less than a second
– Ensured service robustness, monitoring and visibility with health checks, metrics, and email reporting
– Performed unit testing and incremental release from dev/test clusters to production while continuously monitoring and making improvements
– Implemented common libraries for file retrieval from release pipeline
– Improved automatic validations for pull requests
– Conducted code reviews for pull requests in the team repository

01-04 2016
05-08 2015   **.NET Developer**   Ontario Ministry of Education, Toronto, ON

– *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:
– Implemented functional requirement to collect new information including new data tables, UI change, business rule validation, reports generation, XML batch file update
– Maintained data reporting for submission period-based historical data
– Aggregated time and type dependent Ontario diploma data

Ontario Early Years Child and Family Center:
– Designed website user interface based on client needs
– Actively gathered requirements from client and transformed these to user stories and technical specifications
– Provided support in database design by clarifying client requirements and requesting modifications

applications

05 2017	**Uber Rides Data Analysis**	Citadel and Correlation One Datathon

Conducted analysis to find pattern in millions of Uber rides data in relation to weather data in New York City.

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

11 2016	**President's International Experience Award**	University of Waterloo
08 2016	**Dean's Honour List**	University of Waterloo
04 2015	**Co-op Innovation Day Award**	Ontario Ministry of Education

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

interests

since 2016   **Political Science Research**   University of Waterloo

– Co-authored paper on relationship between Chinese outward direct investment and corporate social responsibility with Dr. Hongying Wang published in Journal of Contemporary China
– Single authored journal article on human rights trend analysis in Sino-US relations in East Asia: An International Quarterly
– Performed data collection and regression analysis in research projects

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