JOY (XIAOJI) ZHANG

3A Computer Science and Statistics, Student ID 20560847

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Professional Profile

Proficient in C/C++ and Ruby, familiar with Python, Java, C# and Scheme.

Adept at full stack development with Ruby on Rails, JavaScript (Angular, Ember, React, Node), .NET, SQL/NoSQL, HTML5 and CSS/SCSS.

Experienced in working with large data sets using machine learning concepts and languages/tools including R, Matlab and SPSS.

Comfortable with tools/platforms including Git, SVN, Bash, Visual Studio and Linux.

Areas of interest include data science, data infrastructure and distributed systems.

Work Experience

Ruby Developer - eSports Apr. 2016 — Aug. 2016
theScore Inc. Toronto, ON
- Researched and implemented GraphQL endpoint with built-in caching, pagination and batch-loading data functionalities.
- Extended database and API endpoints using dynamic routing to feature news and match results of Call of Duty, Street Fighter and Smash Bros.
- Designed and built infrastructure to process Korean data from external APIs.

Jr. Developer Aug. 2015 — Dec. 2015
Intellisoft Development Inc. Toronto, ON
- Worked on the front and back ends of the George Brown College website.
- Refactored internal Apache Solr search in C#, increased speed by 4 times.
- Built 3 responsive versions of homepage using .NET, jQuery and Bootstrap.
- Assisted Ektron CMS upgrade through performing tests and tracking bugs.

Education

University of Waterloo Waterloo, ON, Sept. 2014 — Dec. 2018 (expected)
Bachelor of Mathematics, Honours Computer Science and Statistics
Cumulative average 91%, Dean's Honours List (every term)

Projects

Personal Website, Mar. 2015 — present
Built from scratch using Ruby on Rails and AngularJS. Implemented blogging features and user authentication. Designed front-end with Bootstrap.

People's Choice of Best Coach, Feb. 2014
Team project for the 2014 Mathematical Contest in Modelling. Built decision models based on Analytic Hierarchy Process using Matlab and optimized result with a forecasting model based on Artificial Neural Network.