

Siyi(Fiona) Sun

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University of Waterloo | 4A Computer Science & Statistics

EDUCATION

UNIVERSITY OF WATERLOO

COMPUTER SCIENCE & STATISTICS

Candidate for Bachelor of Mathematics

Expected Jun 2019

Waterloo, ON, Canada

SKILLS

C++ • C • C# • Java

R • Python • SQL

Statistical Modeling

PROJECTS

• STOCK PRICE PREDICTION TOOL

Implemented a simple stock pricing prediction and visualization tool using Scikit-Learn, Numpy, Matplotlib

• PERSONAL WEBSITE

<http://fionasun.github.io/>

• OS-161 KERNEL

Reviewed and modified Harvard OS-161 Kernel: implemented synchronization, file systems & virtual memory

• WLP4 COMPILER

Implemented a C-like Language to MIPS Machine Code Compiler

SCHOLARSHIPS

• FACULTY OF MATHEMATICS

SCHOLARSHIP

• UNIVERSITY OF WATERLOO

PRESIDENT'S SCHOLARSHIP

WORK EXPERIENCES

BMO CAPITAL MARKETS | DEVELOPER ANALYST

Sep 2017 – Dec 2017 | Toronto, ON, Canada

- Designed and implemented a trading system to capture real time repo auction trades and automated the trade booking process (in C#)
- Enhanced internal initiative management web portal using ASP.NET

HUAWEI TECHNOLOGIES | JAVA ENGINEER

Jan 2017 – Apr 2017 | Suzhou, Jiangsu, China

- Developed a number of backend features of Virtual Private Cloud (in Java), including the connection of Private Line Gateway and Direct Link using OpenDayLight
- Implemented frontend designs using AngularJS & jQuery

WASTECO | IT/BUSINESS ANALYST

May 2016 – Aug 2016 | Toronto, ON, Canada

- Developed SQL queries and prepared customized business reports
- Combined data to create customer map in GTA and analyzed customer behavior to scale up sales

CI INVESTMENTS INC. | UNIX ARCHITECT CO-OP

Sep 2015 – Dec 2015 | Toronto, ON, Canada

- Provided Infrastructure support and automation for AIX & RHEL Servers

OTHER EXPERIENCES

• STUDY ABROAD

2018 | University of Leeds, UK

• YORK FINANCE CONFERENCE

• GOOGLE SUMMIT FOR WOMEN IN COMPUTING

Sep 2017 | Google Waterloo Office

• TEACHING ASSISTANT FOR CALCULUS

2015 - 2016 | University of Waterloo