

Lily Xiao

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EDUCATION

2015-2019 **University of Toronto**
Cumulative GPA: 3.87

- BASc, Double Major in Mathematics and Computer Science

SKILLS

Programming Languages:

- Java, Python, C, Javascript

Other Technologies:

- Git/Bash, SQL, XML, Linux environment, SAS, Prototyping Tools, Unity, Android Studio, JIRA, React, Express Mongoose

AWARDS/CERTIFICATIONS

2016-2019 Deans List Scholar
2016-2019 Victoria College Regents In-

2015 Course Scholarship
Focus On Information
Technology Certificate

PROJECTS

2019 [Flame Keeper](#)

C#, Unity

- 3D puzzle platformer, programmer in group of 8: 3 programmers, 4 artists, 1 musician
- Completed development path of games including pitching, design, documents, playtesting, demos
- Developed game scripts and game mechanics, implemented switch activation elements
- Designed and implemented cutscenes and animation controllers

2019 [PetLabs](#)

Javascript, React, Express Mongoose, Heroku, Photoshop

- Virtual pet web application with Mongoose database and Express servers, hosted on Heroku
- Designed and wrote CSS styling for entire website
- Created features used by regular users of the app
- Created React Components for views and common components across views
- Implemented API calls and AJAX to connect to frontend

2019 [KeyPass](#)

Java, Android Studio

- App for family shared mobile unlock using Smartcar API and Microsoft Azure services
- Worked on client side of server requests and created application level

WORK EXPERIENCE

2019 **Technology Analyst at BMO Financial Group: Operational Risk Group**

Toronto, Ontario

- Led the defect management effort for a custom upgrade of OpenPages in order to streamline the communication of defects between BMO and a vendor; investigated, triaged, retested, and suggested resolutions of over 300 defects
- Served as one of the main points of communication between the local and abroad testing teams, providing clarification and useful context for more efficient testing
- Organized internal and external triage meetings and presented defects and their root causes to stakeholders; managed the official Defect Dashboard as a report for the executives
- Designed and executed 30 SIT tests for an upgrade to OpenPages

2018 **Business Analyst at BMO Financial Group: Credit Risk Infrastructure Group**

Toronto, Ontario

- Designed and implemented an application using Java to analyze the performance of monthly production SAS programs over time, which helped the department to identify that the changes made to the programs improved run time by 33%;
- Used SAS to create a program that generated backups of the company's database, which allowed for more accurate analysis of previous monthly production jobs
- Created shell scripts to automatically report critical space usage on production and development servers, as well as to run SAS and Java programs from a terminal
- Mentored other business analysts without technical backgrounds by teaching fundamental concepts and fielding questions; resulted in colleagues performing simple technical tasks independently
- Tested new versions of BMO calculator applications, which helped the team to detect and fix calculator output bugs before release