

# Christopher Chiu

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## Education

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<b>University of Toronto</b>	2016 – Present
<b>Bachelor of Science (B.Sc)</b> – Specialist in Computer Science	
<b>St. Robert Catholic High School</b> – Ontario Secondary School Diploma	2012 – 2016

## Professional Experience

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<b>Royal Bank of Canada</b> <i>Software Developer</i>	May 2019 – Present
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I was tasked with promoting/teaching teams within RBC the proper BDD practices. I was also tasked with creating BDD starter packs as well as a Slackbot

- Learned to use the Cucumber testing framework and taught others the user and benefits of using it
- Taught teams within RBC how to integrate BDD into their current testing practices
- Created BDD starter packs written in Python, Java, and Java Script to demonstrate how to properly use the Cucumber testing framework for BDD
- Developed a Slackbot that was created to speed up the process to checkout client card numbers that were used for testing

<b>Royal Bank of Canada</b> <i>Junior Software Developer - Security Research Student</i>	May 2018 – Aug. 2018
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Working under the Innovation group, I was tasked with building and fixing a large backlog of applications that were used to help build up the brand reputation of RBC. I was responsible for developing a fully functional facial recognizer, creating a motion detector and integrating it with the lighting system.

- Learned to use the Angular framework, CSS, HTML, and JavaScript for frontend development
- Developed a motion detection tool using the OpenCV library
- Used Nanoleaf's API to integrate the Nanoleaf lighting panels with the motion detection tool
- Communicated with backend developers daily to ensure that the frontend and backend code were easily compatible
- Used AWS, Google and Bing's reverse image search API to obtain a list of words that best represent the provided image
- Attended weekly stand up meetings to discuss progress, and issues with my team

<b>Royal Bank of Canada</b> <i>Junior Automation Developer - Quality Engineer</i>	May 2017 – Aug. 2017
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I returned to RBC for a second term where I continued to support the automation development for the web based mortgage application. I was also given additional work focussed around data migrations.

- Developed Selenium Python code for keyword automation framework
- Followed formal code review and versioning processes in GitHub
- Collaborated with functional testers (local and offshore) to validate automation.
- Troubleshoot and fix automation code

- Developed code to migrate data across different database platforms (Postgres to Mondo DB)
- Helped create an excel parser for extracting client information from excel files for transferring client data to MongoDB.

### ***Royal Bank of Canada***

*Junior Automation Developer - Quality Assurance*

May 2016 – Aug. 2016

I was tasked with learning and supporting the automation development of RBC's keyword based framework. Using the Selenium automation engine I was responsible for testing a web based mortgage application system.

- Developed Selenium Python code for keyword automation framework
- Followed formal code review and versioning processes in GitHub
- Collaborated with functional testers (local and offshore) to validate automation.
- Troubleshoot and fix automation code

## **Projects**

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Development Projects:

**Photo Imaging Application** – A user friendly application used to organize photos in a directory based on tags, and with the capability to track favorited photos.

- Built on Java and Javafx
- Prototype organized photos by tags based on initial design requirements
- Fixed bugs and refined code on both the front and back end based on feedback from professor
- Configured the program to be compatible on both Windows and macOS
- Added functionality to favourite photos based on additional requirements

## **Volunteer**

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### ***St. John Ambulance***

*Medical First Responder*

Sept. 2015 – Aug. 2016

- Provide advanced medical first responder level medical treatment.
- Monitored local charity and volunteer events in the Richmond Hill region.

### ***Richmond Hill Hockey Association***

*Goalie Coach*

Sept. 2014 – April 2016

- Mentored and trained Pee wee level hockey goalies fundamental techniques of goaltending

### ***Red Maple Public School***

*Teachers Assistant*

Sept. 2012 – April 2014

- Monitored elementary classroom children; settling student disputes and aiding with classwork.
- Aided teacher in grading student tests and organizing school activities.

### ***Annual CP24 CHUM Christmas Wish Drive***

December 2013/2014/2015

One of the largest distributors of toys to children in need in the Greater Toronto Area

- Responsible for preparing and packaging toys for the less fortunate

## **Skills and Qualifications**

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- **Languages:** Python, Java, C, JavaScript
- **Tools/Processes:** Agile/Scrum, Git, LaTeX
- Standard First-Aid/CPR certificate
- St. John Ambulance Recruitment Program certificate

- American Medical First Responder certificate

## **Awards and Scholarships**

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- University of Toronto – President’s Entrance Scholarship
- University of Toronto – University College Supplementary J.S. Mclean Scholarship
- Grade 12 Ontario Scholar