

Feiran Hu

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EDUCATION

University of Toronto, Bachelor of Computer Engineering, PEY

2015 - Expected June 2020

- Dean's List
- Admission Scholarship \$4000

HIGHLIGHTS OF QUALIFICATIONS

- Applications: MS Office, Google Docs, Pages, Keynote, Excel
- IDE & Text Editor: NetBeans, Visual Studio, Altera Quartus, Xcode, Eclipse, IntelliJ, Atom, Sublime Text
- Programming Language: C, C++, Java, Python, Verilog, MatLab, Assembly Language, Swift, Matlab
- Web Development and Server: HTML5, CSS, jQuery, Javascript, PHP, JBoss, Jenkins, REACT, AngularJS
- Operating System: Unix, Linux, Windows, Mac OS
- Database: MySQL, Sybase, Oracle SQL
- Version Control: SVN, GIT

RELEVANT ENGINEERING PROJECTS

Developer Intern, Operational Data Store Team, RBC Capital Markets IT

May 2018 - Present

- Participated in Sybase to Oracle database migration:
 - Improved migration correctness by 80% by designing test hardness, performing unit tests, debugging and optimizing query plans.
 - Prevented the loss of 1000 GB of data by building multithreading Java program to monitor migration process and to restore lost BLOB data.
 - Slashed average stored procedure's runtime by 60% through query plan analysis, index creation and the use of hint.
- Worked on trade system UI as the lead developer. Assisted to deliver Java application for trade surveillance and conducted maintenance and enhancement according to the compliance's growing needs.
- Improved internal processes by developing Python and batch automation scripts and writing technical documentation to increase team productivity.

Web Developer, Puray Enterprises Corp.

2018

(Website: www.puray.ca)

- Published first version of official website without tools and integrated Shopify API to implement eStore features.
- Worked on both front-end and back-end. Designed an interactive user interface and constructed efficient Oracle database.
- Shortened web development cycle by half with WordPress for future development and maintenance.

Developer, tri-tri (Swift), HBT Games

2017

(Available at App Store: <https://itunes.apple.com/ca/app/tri-tri/id1259058860>)

- Developed and published a pattern-matching IOS game and integrated different data structures and pod frameworks.
- Designed adjustable UI and extendable code structure to adapt different devices and operating system versions.
- Learned IOS game development, app publishing process and improved Swift programming skills.
- Reached 3.58K units of downloads in two months and is boosting 9 percent on average weekly.

Team Leader, Geographic Information System (C++), U of T

2017

- Built a GIS system by using map database, SVN and C++ STL; constructed efficient data structure.
- Designed unit tests to confirm correct outputs from specified APIs.
- Arranged group milestones and tasks; coordinated between the team and CI to document status report for consistently good progress.

VOLUNTEER & EXTRACURRICULAR ACTIVITIES

Volunteer, Blue Crew, University of Toronto Students' Union (40 hours completed)

2016 - 2017

President, UTCSSA

2019 - Present

- Established connection with in-school clubs and social organizations
- Provide support to Chinese international students at University of Toronto.