

Ruiyin (Ray) Wen

A graduating Masters student. Available from September 2018. Data storyteller. Software engineering researcher. Hands-on experience in machine learning. Interested in finding and telling the stories behind data science.

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EXPERIENCE

McGill University, Montréal, QC — *Research Assistant*

May 2016 - PRESENT

Mined software engineering data (code review & build output) from open source and proprietary systems, and analyzed them using machine learning algorithms. Published and presented parts of my results at IEEE ICSME 2017.

Dell EMC, Burlington, ON — *Research Intern*

September 2017 - December 2017

Built *CHIMP Tracer* in Python for developers to analyze the potential impact of code patches using past data. Reduced program comprehension time by more than 90% for developers. Received positive feedback from the Dell EMC developers community.

Queen's University, Kingston, ON — *Summer Researcher*

May 2015 - August 2015

Designed a system for mining and analyzing text-based data from online forums. Studied how tech companies react to customers' feedback on products.

EDUCATION

McGill University, Montréal, QC — *Master's Degree*

September 2016 - August 2018

Master of Engineering (Thesis). GPA: 3.88

Queen's University, Kingston, ON — *Bachelor's Degree*

September 2013 - May 2016

Bachelor of Computing (Honours). Specialization in Computing and Mathematics. GPA: 3.92

PROJECTS

A Longitudinal Study of Code Reviewing Feedback

Use machine learning to analyze code review data. Investigate why developers choose to discuss some topics more frequently. Provide solutions for stakeholders on how to improve their code review efficiency.

TECH SKILLS

Languages: Python, Java, Bash, R, MATLAB

Libraries: Gensim, numpy, pandas, ggplot, nltk

OS: Unix, OS X, Windows

Database: MySQL, MongoDB

RelEng: GNU Make, Jenkins CI

VCS: Git, Perforce

AWARDS

1st Place at Société Générale MSC Coding Game (2018)

Graduate Research Enhancement and Travel Award (2017)

Medal in Computing and Mathematics (2016)

Nellie and Ralph Jeffery Awards in Mathematics (2015)

Dean's Honour List (with Distinction 2014, 2015)

Dean's Special Award (2014)

LANGUAGES

(Fluent) English, Chinese (Mandarin & Cantonese)

(Intermediate) French, Dutch