

AIDAN YANG

a.yang@queensu.ca | <https://aidanby.github.io> | 403-975-9757

EDUCATION

Bachelor of Applied Science, Engineering and Mathematics, Queen's University, Kingston, ON **2016 – Present**

- GPA: 3.76 (Dean's List)
- Specialization in Electrical and Computer Engineering

RESEARCH EXPERIENCE

Software Engineering Researcher, Queen's University, Kingston, ON **2018 – Present**

- Researching source code co-changes of various testing strategies with Prof. Ying Zou
- Mined over one million large-scale software repositories from GitHub to build classification models
- Stored and organized 266 large scale repositories' commit data using PostgreSQL
- Built classification and prediction models in R to predict developer behavior, achieving an accuracy of 0.75 AUC
- Used 24 Java specific characteristics to predict file co-change, giving Java developers 3 distinctive recommendations

WORK EXPERIENCE

Software Developer, Queen's Technology and Media Association, Kingston, ON **2018 – 2019**

- Built an Android AR application that uses computer vision to scan any room and furniture
- Created and maintained an Android UI interface for customers to place furniture pieces in potential homes
- Applied machine learning algorithms to provide a furniture match for users

Investment Banking Analyst, GF Securities, Guangzhou, China **2017 Summer**

- Aided a major client's IPO transition within the investment banking department's industrials group
- Monitored clients' finances through auditing financial statements
- Compiled over 10 pitchbooks and organized key meetings for other analysts and associates
- Learned to work in different language environments (Mandarin, Cantonese and English)

TEACHING EXPERIENCE

Teaching Assistant, Queen's ECE Department, Kingston, ON **2018 Winter**

- Held tutorials and proctored quizzes for ELEC278 (Data Structures and Algorithms)
- Performed weekly lab duties and guide 40 second year students per week write C programs
- Held one-on-one tutoring for weaker students and raised 3 students averages by over 10%

Piano Instructor, Mount Royal University, Calgary, AB **2015-2016**

- Employed by Dr. Peter Jancewicz to tutor beginner level students for 2 summers

PUBLICATIONS

"Predicting Co-Changes between Functionality Specifications and Source Code in Behavior Driven Development"

Aidan Z. H. Yang, Daniel Alencar da Costa, Ying Zou

The 16th International Conference on Mining Software Repositories , May 26-27, 2019 Montreal, CA (Acceptance rate = 25%)

ADDITIONAL INFORMATION

- Programming Languages: Java, C, R, Python, SQL
 - Native proficiency with Mandarin and English
 - Professional working proficiency with Cantonese, limited working proficiency with French and Spanish
 - Achieved 4th place piano solo performance at the final round of Canadian Music Competition 2014
-