

AIDAN YANG

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EDUCATION

Bachelor of Applied Science, Engineering and Mathematics Dual Degree, Queen's University 2016 – Present

- Specialization in Electrical and Computer Engineering
- Alberta Alexander Rutherford Scholarship (\$2000 per school year)
- Expected graduation: 2021 June

RESEARCH EXPERIENCE

Computer Science Researcher, Queen's University, Kingston, ON 2019 Summer

- Investigated mobile app store artifacts with **Prof. Ying Zou** and **Prof. Ahmed E. Hassan**
- Built 6 machine learning models to extract developer information from 2,232 open source apps
- Clustered 69,851 app updates into 6 patterns based on developer behavior

Computer Science Researcher, Queen's University, Kingston, ON 2018 May – 2019 May

- Investigated behavior driven development with **Prof. Daniel Alencar da Costa** and **Prof. Ying Zou**
- Customized an NLP algorithm to establish links between test documentation and source code
- Accepted peer-reviewed paper at **MSR 2019**

INDUSTRY EXPERIENCE

Software Engineering Intern, Advanced Micro Devices (AMD), Markham, ON 2019 Sept – Present

- Building and maintaining graphics driver solutions on Windows platforms
- Low level programming of hardware devices using C and C++

Software Developer, Queen's Technology and Media Association, Kingston, ON 2018 Winter

- Built an Android AR application that uses computer vision to scan any room and furniture

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

- Advised initial public offering (IPO) transitions for clients of the industrial group
- Monitored client finances through auditing financial statements

TEACHING EXPERIENCE

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

- Assisted **Dr. Ying Zou** by holding tutorials and proctoring 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 tutorials for weaker students and raised 3 students averages by over 10%

Private Tutor, Queen's University, Kingston, ON 2018 Winter

- Tutored 2 students *Introduction to Real Analysis*
- Tutored 1 student Java for *Introduction to Objected Oriented Design*

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

- Employed by **Dr. Peter Jancewicz** to tutor beginner level students for 2 summers
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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 (Acceptance rate = 25%)

ADDITIONAL INFORMATION

- Citizenship: **Canadian**
 - Programming Languages: **Python, R, SQL, C++, C , Java**
 - 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 Canadian Music Competition 2014
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