

Binwei (Frank) Chen

Toronto, Ontario • 416-518-9322 • frankchen0717@gmail.com • [linkedin.com/in/frankchen-717](https://www.linkedin.com/in/frankchen-717)

Qualifications Profile

Collaborative individual with robust knowledge, practicum, and experience in data and software engineering, and a history of planning, developing and testing interactive applications for process automation, mobile games, data analysis. Strongly passionate about new technologies and thriving fields including AI, big data, machine learning, etc. Proficient in English and Mandarin.

Programming Languages	Python, SQL, C, Java, JavaScript (jQuery, React), Bash, HTML, CSS, Swift, R, MATLAB
Development Tools	Unix/Linux, Shell Script, Git, Android Studio, Node.js, MongoDB
Soft Skills	Teamworking, Time management, Communication

Education

Bachelor of Science, University of Toronto, Toronto, Ontario 05/2018 – 05/2021

Specialist in Computer Science (Focus in Artificial Intelligence) and Minor in Statistic Science

- Projects
 - o Android Puzzle Game Mobile App in Java, using AndroidStudio
 - o Image Inpainting Program in Python, using OpenCV, Numpy, Scipy, and Matplotlib
 - o Food Recipe Sharing Web App in HTML, CSS, JavaScript, using React, JQuery, and MongoDB
- Certifications
 - o SAS Global Certification | SAS

Professional Experience

Teaching Assistant, University of Toronto, Toronto, ON 01/2021 – 05/2021

TA for the course *Introduction for Computer Programming*. Assisted professor to organize course plans and materials. Hosted lab sessions during regular hours guiding student through exercises and provided extra Q&A sessions for students. Helped with grading tasks.

Assistant Engineer, R&D Lab, Huawei Technologies Canada Co., Ltd, Markham, ON 05/2020 – 09/2020

Conducted quality assurance analysis for cloud-native databases in C and Java (Embedded JDBC). Performed system testing using a self-built automation test framework in Bash and MySQL. Advised and built a team cloud repository to boost file-sharing and team communication. Self-learned relevant knowledge about database storage and data distributed systems and leveraged them to optimize the testing performance

- Integrated database products based on MySQL, with reliable features that are open for future extensions
- Enhanced knowledge and skills in Unix/Linux System, Shell Script, MySQL, and Git Tools

IT Service support, Ontario Institute for Studies in Education, Toronto, ON 05/2019 – 08/2019

Engaged with customers and team members to identify and analyze technical issues, develop strategies for solutions. Performed both online and on-site technical troubleshooting to address inefficiencies and produce solutions. Researched diverse material to better resolve problems and provide superior customer service.

- Quickly accumulated knowledge of various technologies and topics as needed to provide clear, concise answers for all submitted questions.

Technical Assistant, Industry Risk Control, Beijing, China 06/2017 – 08/2017

Partnered with other technical professionals to focus on the delivery of a parsing study initiative by leveraging various data-analyzing libraries within Python. Consistently analyzed data and processes to develop program solutions that boost efficiency and enhance team communications.

- Designed, developed, and integrated programs that automated the import and analysis of data files.
- Adopted and leveraged new methodologies in machine learning and decision tree classification, such as scikit-learn, PyTorch, Tensorflow.