

Binwei (Frank) Chen

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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.

Core Skills

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

Education

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

Specialist in Computer Science & Minor in Statistic Science (3.7 GPA in CS Courses)

Courses

- Software development, Machine Learning, Data Structure & Analysis, Algorithms, Databases, Operating systems, Neural Networks, Web Development

Projects

- *Android Puzzle Game Mobile App in Java, AndroidStudio*
- *Image Inpainting Program in Python, OpenCV, Numpy, Scipy, Matplotlib*
- *Food Recipe Sharing Web Platform in HTML, CSS, JavaScript, React, JQuery, MongoDB*

Certifications

- SAS Global Certification | SAS

Professional Experience

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

Conducted quality assurance analysis for cloud-native databases in C and Java along with embedded JDBC. Performed system testing using a self-built automation test framework in Bash and MySQL. Boosted team documents sharing and communication by setting up and organizing cloud repositories. Self-learned relevant knowledge i.e. database storage and data distribution to optimize my 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, Python, and Git Tools

IT Service support, Ontario Institute for Studies in Education, Toronto, Ontario 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 identify 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.