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, designing, and developing interactive applications for process automation, mobile games, data analysis. Strong interesting in data science and machine learning with working experience with PyTorch and Tensorflow. Proficient in English and Mandarin.

Core Skills

Languages	Python, SQL, Java, C, Swift, Bash, JavaScript, HTML, CSS, R
Tools	Unix/Linux, Shell Script, Git, 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)

- Completed courses: Software development, Machine Learning, Data Structure & Analysis, Algorithms, Databases, System programming, Neural Networks

Certifications

- SAS Global Certification | SAS

Analytical Experience

Assistant Engineer, R&D Lab, Huawei Technologies Canada Co., Ltd, Markham, Ontario   05/2020 – 08/2020

Collaborated with team members to conduct quality assurance analysis for cloud-native databases. Performed system testing using a self-built automation test framework in Bash and MySQL. Self-learnt 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 analyze technical support tickets and develop strategies for solution. Performed technical troubleshooting to identify inefficiencies and produce solutions. Researched diverse material to better resolve complaints 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 seven 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.