Kris Lai

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Skills

Programming: Python, Java, JavaScript, C, C++, C#, Haskell, Scheme
Database/Data Processing: SQL, XQuery/XPath
Version Control: Git, SVN
Software Methodologies: Agile (Scrum), SDLC, Black/White box and types of Testing, Test Driven Development

Experience

Teaching Assistant Supervisor — September 2016 – December 2018
University of Toronto
- Acquired Professor's endorsement to become a TA supervisor through displaying great leadership and teaching skills along with great understanding of course materials.

Digital Quality Engineer — May – August 2017
Royal Bank of Canada
- Within one month, optimized the online application by minimizing the fields that are required to complete the application and enhanced compatibilities with mobile devices on IOS and Android.
- Sped up the production release by a week for online account open application for mobile testing. As a result, it reduced unnecessary time allocation and increased tasks competition.

Technical Quality Assurance Analyst — May – August 2016
Royal Bank of Canada
- Became the meeting leader for the Change Advisory Board by showing great understanding in the daily software changes of the Technology & Operations department.
- Reduced the number of HP ALM ticket requests and service delay by over 80% through direct communication with clients.
- Gathered over 50 members across different teams to join our team website within the first week as a result of redesigning the website, and creating innovative activities during the Data Masking Booth Event.

Developer/Testing Analyst — January – August 2015
Ontario Teachers' Pension Plan Board
- Designed and developed a C# comparison tool to secure data integration from enterprise database to enterprise data warehouse. As a result of my outstanding performance, managers from Service Delivery team, and RSR Quality Assurance team asked me to assist them as well.

Projects

Matplotlib Contribution — January – April 2018
- In a team of five, submitted different bug fixes and implemented many new features such as Axis Swap, Bullet Graph, and Percentile lines for violin plot to open source project Matplotlib written in Python. Due to our outstanding work, two bug fixes were accepted to the main repository.

Exoplanet Database System — September – December 2016
- Presented and approved by the Astrophysics Professor, a python application to automatically update an existing exoplanet database managed by the professor. This team project practiced Agile (Scrum) methodology. Major Features included command line control, and data comparison from NASA and the Extrasolar Planets Encyclopaedia.

Extracurricular

ADaPT(Advanced Digital and Professional Training) Program — June – July 2016
Ryerson University collaboration with RBC
- Acquired a certificate in areas such as Microsoft applications, professional business documentation, financial and accounting, Adobe digital art, and web design.

Mentor in UTSC Co-op and First Year Experience Program — September 2016 – April 2017
University of Toronto
- Endorsed to speak as a senior co-op panelist at the Navigating the World of Work Conference UTSC by the engagement coordinator through my outstanding performance in of all my co-op work terms.
- Received university co-curricular record for guiding and role modeling as a mentor in Department of Student Life Association and Co-op Student Association

IBM Master the Mainframe Contest — October 2013 – 2016
International Business Machine
- Received recognition in the Wall of Fame on IBM Master the Mainframe website for being one of the 254 winners to complete the second round of the competition.

Edu

Honours Bachelor of Science — 2013 – 2018
University of Toronto
Specialist in Computer Software Engineering Co-op Program