Bill Ang Li

Seeking New Grad 2021 SWE opportunities

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Technical Skills

Languages: Python, Java, JavaScript, C, C#, HTML, CSS, SQL
Technologies: Git, Vue.js, Linux, NumPy, Pandas, OpenCV

Work Experience

Data Engineer Work Study Student *2018-05 - 2020-04*
Toronto General Hospital, Toronto, ON

- Led a team of four in the design and development of the data pipeline in a **provincial clinical tool**
- Automated web traffic metric reporting using **Python**, including data collection, processing and analysis
- Managed over 20 **Python** scripts to ensure daily data delivery to the research team
- Improved reliability of the data scraping and processing scripts by creating diagnostic tests
- Automated the process for backing up WebEx meeting recordings on Vimeo using **Python**

Software Developer Intern *2019-05 – 2019-08*
Bank of Montreal, Toronto, ON

- Created a **C#** application for checking data integrity in an **in-memory data grid** (GemFire)
- Laid groundwork for migration from Netezza to Greenplum databases to improve performance for the production support team
- Debugged and expanded an **F#** build tool for packaging and deploying code used by the Middleware team

Select Projects

Cross-platform Productivity Tracker *2020-07 – Present*
Open-Source Project Contributor, Toronto, ON

- Built web application UI features using **JavaScript, Vue.js** and tested using **Jest**
- Created intuitive user interface by changing misleading input fields

Restaurant Inventory and Staff Manager *2018-02 – 2018-03*
Project Member, Toronto, ON

- Implemented client-server API architecture to view and change inventory, employee information and seating availability in **Java**
- Created a queue-based event processing data structure in the backend

Awards

- **1st Place Facebook Demo** at Hack the North 2018: Co-implemented the convex hull algorithm to detect hand gestures to play music
- **Best Use of Innovative AI** at Hack Western 4: Trained a machine learning algorithm to recommend Spotify playlists based on emotions detected on the Muse headband
- **1st Place** at Hack the 6ix 2017: Created a computer vision algorithm to detect empty seats from video in real-time using OpenCV

Education

University of Toronto *2017-09 – Present (expected 2021-06)*

- Candidate for Bachelor of Science with a Specialist in Computer Science (focus in AI) and a Minor in Economics
- GPA: **3.79/4.0** and Dean's List for all three completed years

Leadership

Residence Community Advisor *2019-08 – 2020-04*
Trinity College in the University of Toronto, Toronto, ON *2020-08 - Present*

- Developed a positive and safe living environment for residents
- Adapted community-building and promoted behaviour to adhere to the COVID-19 guidelines