

Bryan Liu

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EDUCATION

UNIVERSITY OF TORONTO

CANDIDATE H.B.Sc., CO-OP

SOFTWARE ENGINEER SPECIALIST

Expected Grad: May 2023

cGPA: 3.48 / 4.0

LINKS

Website:// liubryan.com

Github:// liubryann

LinkedIn:// bryanliu-2000

SKILLS

LANGUAGES

Java • C • Python • Bash

JavaScript • HTML • CSS

TECHNOLOGIES

React • Redux • Node • Express

Flask • NumPy • Pandas • Scikit-Learn

Struts 2 • Hibernate • Spring

Cloud Functions • Cloud Storage

SaaS • Less

DATABASES

MongoDB • Cloud Firestore

PostgreSQL • SQL Server • MySQL

Neo4j

OTHER

Git • SVN • Docker

LaTeX • Markdown

COURSEWORK

UNDERGRADUATE

Introduction to Computer Science

Software Tools and Systems

Software Design

Introduction to Machine learning

Algorithms and Data Structures

Introduction to Software Engineering

AWARDS

UofT Charles W. Brown Award 2020

UofT Dean's List 2019

UofT Admission Scholarship 2018

DAWSS Staff Award 2018
(for founding technology club)

EXPERIENCE

OPENTEXT | FULL STACK SOFTWARE DEVELOPER INTERN

Jan 2020 - Sep 2020 | Richmond Hill, ON

- Worked on the OpenText Media Management Admin team using JSP, **JavaScript**, Struts 2, **Java**, Hibernate, 3 variations of **SQL** and **Docker**.
- Utilised the full stack to develop a feature that uploads a configuration file to the cloud, allowing the admin to easily manage and perform database operations on it in the interface, in place of manually configuring it in the file system.
- Leveraged **Less.js** to develop a tool for the admin to fully customize, design and preview notification emails with their company's brand colours and logo, improving the user experience for the OTMM client base.

UNIVERSITY OF TORONTO | IT HELP DESK PART-TIME

Sep 2019 - Jan 2020 | Toronto, ON

LAKERIDGE HEALTH | IT TECHNICIAN (HIGH SCHOOL) INTERN

Jan 2018 - Sep 2018 | Oshawa, ON

- Installed new network switches and utilised **graph theory** to set up redundancies, eliminating single point failures for critical clients in the hospital.

PROJECTS

DUE DILIGENCE FOR DUMMIES 📊 | REACT, REDUX, FLASK, GCP

Nov 2020 - Present | Hack Western 7

- A stock market research platform for new investors, using **Cloud Natural Language** sentiment analysis and text summarization to generate simplified opinions of a company from retail and institutional investors.

PORTFOLIO-V3 📱 | TYPESCRIPT, REACT, LESS

Oct 2020 - Nov 2020 | Personal Project

- Rebuilt personal portfolio using React with the Ant Design UI library and **Less.js**.
- Features a responsive, minimal design with light and dark theme switching.

U-IMPACTIFY | REACT, REDUX, EXPRESS, NODE, FIREBASE

Sep 2020 - Dec 2020 | Software Engineering Final Project

- Worked in a team of 7 to build an e-learning web application that allows users to create and take courses, customize their profile, and post on a messaging board for job opportunities.
- Developed the features to take and create courses with the ability to make a dynamic course outline, upload instructional videos and descriptions, and then enroll in the course and play those videos back as a student.
- Performed scrum master duties by facilitating daily stand-ups, assisting team members with clarifications and suggestions for their tasks, and ensuring all sprint goals and deliverables are met in a timely fashion.

TALENT 📱 | TYPESCRIPT, REACT, REDUX

Aug 2020 - Present | Developer Student Club Project

- Developed front-end authentication error handling for Talent, a web application to be used for recruiting new members of the **Developer Student Club**.

AFFORDABLE CALCULATOR 📱 | JAVA, ANDROID

Jul 2017 - Aug 2017 | Personal Project

- Android calculator **active on 30k devices** (2020), most popular in developing countries filling niche in the app market of phones running a low version of OS.