

# KEVIN CUI

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🌐 www.kevincui.dev

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## EXPERIENCE

### Data Engineer Intern, Technology & Operations

#### RBC Royal Bank of Canada

📅 Jul 2021 – Aug 2021

📍 Toronto, ON

- Data provisioning in Hadoop, data pipeline automation with Python and Java, full-stack application development for database web portal in Express, documentation generation using SQL and JDBC
- Worked in an Agile team of 6, collaborating and communicating with other teams in different disciplines

Hadoop

HDFS

Java

Maven

Python

SQL

JDBC

Node.js

JavaScript

Express

Git

Jenkins

Windows

### Innovation Developer Intern, Technology & Operations

#### RBC Royal Bank of Canada

📅 Jul 2020 – Aug 2020

📍 Toronto, ON

- Full stack software development building internal applications: retrospectives web application with React front-end and Express back-end
- Led an Agile team of 4 as a returning intern, helping new developers get setup, moderated and managed changes from team
- Moderated source control, reviewed, tested, and debugged changes from all other development teams to new releases

React

Node.js

TypeScript

Express

Git

Windows

### Innovation Developer Intern, Technology & Operations

#### RBC Royal Bank of Canada

📅 Jul 2019 – Aug 2019

📍 Toronto, ON

- Full stack software development building internal applications: student talent management web portal application with Angular front-end and Spring Java backend
- Conducted usability testing, moderated test sessions with design teams
- Presented and demonstrated solutions to senior executives

Node.js

TypeScript

Java

Git

Angular

Spring

SQL

## PROJECTS

### DKBongoToKey

#### Game controller interface

📅 Aug 2021 📄 kevinjycui/DKBongoToKey

- A keyboard and mouse interface for the Nintendo GameCube Donkey Kong Bongos to Windows 10 PC

C++

SDL

DirectInput

WinAPI

### Desmos Renderer

#### Fun graphing calculator art tool

📅 Apr 2021 📄 kevinjycui/DesmosBezierRenderer

- A program that draws images and videos as curves on the Desmos Graphing Calculator using potrace and Bezier curve formulas

Python

Potrace

OpenCV

Flask

HTML

JavaScript

### Practice Bot

#### Competitive programming utility bot

📅 Mar 2020 – Jul 2021 📄 kevinjycui/Practice-Bot

- An all-competitive-programming-purpose open source Discord bot, online judge to Discord
- Developed bot program, configured API connections and MariaDB database, setup AWS instance, moderated open-source contributions
- Used by over 500 Discord servers

Python

MariaDB

discord.py

AWS

Bash

Linux

## EDUCATION

### McGill University

#### Candidate for B.Sc. in Computer Science

📅 2020 – 2024

📍 Montreal, QC

CGPA: 3.9/4.0;

Relevant courses: Computer Science, Software Systems, Computer Systems, Software Design, Programming Languages & Paradigms, Algorithms & Data Structures

## SKILLS

Skills that I have worked with directly in personal projects, school assignments, or employment. Ordered from left to right in order of approximate proficiency/relevance.

### Programming & Other Languages

C++

Python

Java

JavaScript

C#

Bash

C

Go

TypeScript

SQL

HTML+CSS

Arduino

LaTeX

OCaml

MIPS Assembly

Awk

Sed

### Frameworks, Engines, Libs, & Databases

Node.js

Maven

React

.NET

SDL

Unity

NumPy

OpenGL

Django

Hadoop

MySQL

MariaDB

### Development Tools & Environment

Git

UNIX/Linux

Windows

Visual Studio

Vim

GNU

AWS

## OTHERS



### Junferno 2021 – Ongoing

I run a YouTube channel with a mod-est following covering topics in tech, math, linguistics, and gaming  
🌐 youtube.com/c/Junferno



### Hack the NE 2020, Top 3 Gaming

2nd Most Community Voted

🌐 devpost.com/software/neurologue