

KEVIN CUI

📧 kevinjycui@protonmail.com

🌐 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

OpenCV

Flask

HTML

JavaScript

FFmpeg

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

FFmpeg

GNU

AWS

OTHERS



Junferno 2021 – Ongoing

I run a YouTube channel with a modest 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