

KEVIN CUI

✉ kevinjycui@protonmail.com 📍 Toronto, CANADA
🌐 www.kevincui.dev
📁 kevinjycui 🔄 kevinjycui

EXPERIENCE

Data Engineer Intern, Technology & Operations

RBC Royal Bank of Canada

📅 Jul – Aug 2021 📍 Toronto, ON

- Data provisioning, data pipeline automation, full stack application development, documentation generation
- Worked in an Agile team, collaborating and communicating with other teams in different disciplines

Hadoop HDFS Java Maven Python SQL Squirrel DB
Node.js JavaScript Express Git Jenkins Windows

Innovation Developer Intern, Technology & Operations

RBC Royal Bank of Canada

📅 Jul – Aug 2019; Jul – Aug 2020 📍 Toronto, ON

- Full stack software development building internal applications
- Conducted usability testing, moderated test sessions with design teams
- Moderated source control, reviewed, tested, and debugged changes from all other development teams to new releases
- Presented and demonstrated solutions to senior executives

React Node.js TypeScript Express Git Angular

PROJECTS

DKBongoToKey

Game controller interface

📅 Aug 2021 🔄 kevinjycui/DKBongoToKey

- A keyboard and mouse interface for the Nintendo GameCube DK 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, Discord to online judge integration
- 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

AWARDS & ACHIEVEMENTS



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



PicoCTF 2019, Top 30 Canadian

Top 3% percentile globally; Online Cyber-Security Contest hosted by CMU. Forensics, web exploitation, cryptography, reverse engineering
🔄 kevinjycui/picoCTF-2019-writeup



PennApps 2019, Top 30

Top 30 best overall; Hackathon hosted by the University of Pennsylvania
🌐 devpost.com/software/hand-spoken

SKILLS

Programming Languages

C++ Python Java JavaScript
HTML+CSS Bash C Go TypeScript
SQL Arduino LaTeX Awk Sed

Frameworks, Libraries, & Databases

SDL React Django Angular Hadoop
MySQL MariaDB

Development Tools & Environment

Git Unix/Linux Windows Vim
Node.js Maven GNU AWS

Concepts & Practices

Agile Design Thinking

Idiomatic in English, proficient in Mandarin, elementary Japanese

EDUCATION

McGill University

Candidate for B.Sc. in Computer Science

📅 2020 – Ongoing 📍 Montreal, QC

CGPA: 4.0; Relevant courses: Computer Science, Software Systems, Computer Systems, Software Design

Westmount Collegiate Institute

Ontario Secondary School Diploma

📅 2016 – 2020 📍 Vaughan, ON

Academic Average: 97%