

KEVIN CUI

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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, Linear Algebra, Algorithms

Clubs: McGill Game Dev, Table Tennis

SKILLS

Skills I've worked with directly. Ordered by approximate proficiency/relevance.

Programming & Other Languages

C++ Python Java JavaScript C#
Bash C Go TypeScript SQL
HTML+CSS Arduino LaTeX Rust
Scala OCaml MIPS Assembly Haskell
Kotlin R

Frameworks, Engines, Libs, & Databases

Node.js Maven React .NET SDL
Unity NumPy OpenGL Django
Hadoop MySQL MariaDB OpenCV

Development Tools & Environment

Git UNIX/Linux GNU REST
Visual Studio Vim FFmpeg 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

🏆 **Wayward Bones**
McGame Jam 2022 Audio Winner
📧 akjanklin.itch.io/wayward-bones