

KEVIN CUI

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EXPERIENCE

Programming Intern, undisclosed project

Behaviour Interactive

📅 Sept 2023 – Dec 2023 📍 Montreal, QC

- Programming on a medium-sized game development team, collaborating and communicating with artists and designers

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: retrospective 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
- Conducted usability testing, moderated test sessions with design teams, presented and demonstrated solutions to senior executives

React Node.js TypeScript Express Git Windows

Innovation Developer Intern, Technology & Operations

RBC Royal Bank of Canada

📅 Jul 2019 – Aug 2019 📍 Toronto, ON

Node.js TypeScript Java Git Angular Spring SQL

PROJECTS

Trial & Error

2D split-screen multiplayer escape (CreativeJam '23)

📅 Sep 2023 🌐 oksoft.itch.io/trialerror

Godot GDScript Git

VRMPlaybackClient

Unity3D client for playback of encoded VTuber motion data

📅 Aug 2023 🌐 kevinjycui/VRMPlaybackClient

C# Unity .NET Visual Studio Git VMC/OSC

Donkey Kong Bongo to Key

Keyboard & mouse interface for the DK Bongos for GameCube

📅 Sept 2021 🌐 kevinjycui/DKBongoToKey

C++ SDL DirectX (DirectInput)

Desmos Renderer

Fun graphing calculator art tool

📅 Apr 2021 🌐 kevinjycui/DesmosBezierRenderer

Python OpenCV Flask JavaScript

Practice Bot

Competitive programming utility bot

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

Python MariaDB discord.py AWS

EDUCATION

McGill University

Candidate for B.Sc. in Computer Science

📅 2020 – 2024 📍 Montreal, QC

CGPA: 3.8/4.0

VP Extern, Game Dev Student's Society

Research: Audio to animation neural net

Java C C++ Python Maven

Unity Docker Spring x86 Assembly

SKILLS

Programming & Other Languages

C++ C Python C# Java JavaScript

Bash Go GLSL TypeScript GDScript

Lua Scala SQL HTML+CSS Arduino

x86 Assembly

Frameworks, Libs, & Databases

OpenGL SDL .NET Node.js Maven

Spring React NumPy Django

Hadoop MariaDB OpenCV

Development Tools & Environment

Git Docker Linux Unity Godot

GNU Jenkins Visual Studio Vim

OTHERS

📺 Silver Play Button

I run a YouTube channel with >150K subscribers as of 2023 covering topics in niche software, game development, mathematics, audio processing, etc.

🌐 youtube.com/c/Junferno