

KEVIN CUI

✉ kevinjycui@protonmail.com 🌐 www.kevincui.dev
📄 kevinjycui 📱 kevinjycui 📺 junferno.itch.io 📺 Junferno

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
- 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

Wayward Bones

2D digging + platformer game (McGameJam '22 Audio Winner)

📅 May 2022 📱 kevinjycui/WaywardBones

- Designed and developed entire platforming enemy boss stage, including entity movement, player controls/attack system, in-game enemy boss animation cycles and particles fitted to attack patterns
- Fixed bugs in other stages, moderated source control, collaborating with artists and sound designers

C# Unity .NET Visual Studio Git

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

- A program that processes and transfers images/video data to Bezier curve data to be displayed on online graphing calculator tools.

Python OpenCV Flask HTML
JavaScript FFmpeg

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: 3.9/4.0

VP Finance of Game Dev Student's Society
Fall 2022: Operating Systems, Artificial Intelligence, Alg. Design, Software Eng. Project

Java C C++ Python Maven
Unity Docker Spring Git Linux

SKILLS

Programming & Other Languages

C++ C Python C# Java JavaScript
Bash Go GLSL TypeScript Lua
Scala OCaml SQL HTML+CSS
Arduino MIPS Assembly LaTeX

Frameworks, Libs, & Databases

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

Development Tools & Environment

Git Docker Linux Unity GNU
Jenkins Visual Studio Vim FFmpeg

OTHERS

📺 Silver Play Button

I run a YouTube channel with >150K subscribers as of 2022 covering topics in niche software, game development, mathematics, audio processing, artificial intelligence, hardware, etc.

🌐 youtube.com/c/Junferno