KEVIN CUI

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in kevinjycui ⌂ kevinjycui

EXPERIENCE

Innovation Developer Intern, Technology & Operations
RBC Royal Bank of Canada

📅 July 2020 – August 2020   📍 Toronto, ON

- Full stack software development building an internal retrospective tool allowing Agile teams to reflect on past sprints and collaborate efficiently
- Led a cross-disciplinary team through sprints in the Agile workflow, built solutions and features using React, Express, and Node
- Conducted usability testing, moderated test sessions with users and design teams. Brainstormed and applied new ideas using Design Thinking
- Moderated source control, reviewed, tested, and debugged changes from all other development teams to the new release
- Presented and demonstrated solutions to senior executives

React | Node.js | TypeScript | JavaScript | Express
HTTP | HTML/CSS | Git | i18n | Windows

Innovation Developer Intern, Technology & Operations
RBC Royal Bank of Canada

📅 July 2019 – August 2019   📍 Toronto, ON

- Full stack software development on a talent management internal app
- Built proof-of-concepts and pitched new software features
- Completed tasks in a cross-disciplinary team through the Agile workflow
- Presented and demonstrated solutions to senior executives

Angular | Spring Boot | Java | Maven | TypeScript
HTML/CSS | SQL | Git | Bash | Unix/Linux

PROJECTS

Practice Bot
Competitive programming utility bot

📅 March 2020 – Ongoing ⌂ kevinjycui/Practice-Bot

- An all-competitive-programming-purpose open source Discord bot, Discord to online judge integration, helps programmers practice
- Developed bot program, configured API connections and MariaDB database, setup AWS instance, moderated open-source contributions
- Currently used by over 300 Discord servers

Python | MariaDB | discord.py | AWS | Bash | Linux

Neurologue
Brain powered video game

📅 May 2020 🌐 devpost.com/software/neurologue

- An interactive CYOA web game detecting real-time player brain activity to determine behaviour in-game
- Configured back-end server connection and brain-computer interface integration, front-end game design and structure, made sprites and UI
- Hack the Northeast 2020 submission; Awarded 2nd Best in Gaming, 3rd Most Community Voted

Node.js | Phaser.js | JavaScript | HTML+CSS | Emotiv

AWARDS & ACHIEVEMENTS

🏆 **PicoCTF 2019, Top 30 on Canadian scoreboard**
Top 3% percentile globally; Online Cyber-Security Contest hosted by Carnegie Mellon University. Forensics, web exploitation, cryptography, reverse engineering
⌂ kevinjycui/picoCTF-2019-writeup

🏆 **PennApps 2019, Top 30 Award**
Top 30 best overall; Hackathon hosted by the University of Pennsylvania
🌐 devpost.com/software/hand-spoken

📊 **DMOJ::Modern Online Judge**
Various online competitive programming contests and problems regarding algorithm design. I also set problems and contribute to DMOJ open source
🌐 dmoj.ca/user/ManchurioX/solved
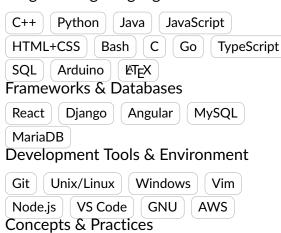⌂ kevinjycui/Competitive-Programming

🏆 **Physics Award 2020**
High School Physics, highest scoring

SKILLS

Programming Languages

C++ | Python | Java | JavaScript
HTML+CSS | Bash | C | Go | TypeScript
SQL | Arduino | $\LaTeX$

Frameworks & Databases

React | Django | Angular | MySQL
MariaDB

Development Tools & Environment

Git | Unix/Linux | Windows | Vim
Node.js | VS Code | GNU | AWS

Concepts & Practices

Agile | Design Thinking

Idiomatic in English, proficient in Mandarin

EDUCATION

McGill University
Candidate for B.Sc. in Computer Science

📅 2020 – Ongoing   📍 Montreal, QC

Relevant courses: Calculus, Computer Science, Linear Algebra, Software Systems

Westmount Collegiate Institute
Ontario Secondary School Diploma

📅 2016 – 2020   📍 Vaughan, ON

Academic Average: 97%