

KEVIN CUI

Software Development Student

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📍 Toronto, CANADA
🔗 kevinjycui

EXPERIENCE

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

📅 July 2020 – August 2020 📍 Toronto, ON

- Full stack software development on an internal retrospective tool allowing Agile teams to reflect on past sprints and collaborate more efficiently
- Led a cross-disciplinary team in a remote work environment
- Completed tasks through the Agile workflow using Design Thinking
- Conducted usability testing and built new solutions and features
- Moderated source control, reviewed, tested, and debugged changes to the new release
- Communicated new solutions to senior business executives

React Node.js TypeScript JavaScript Express
HTTP HTML/CSS git i18n

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 application
- Built proof-of-concepts and pitched new software features
- Completed tasks through the Agile workflow
- Communicated new solutions to senior business executives

Angular Spring Boot Java Maven TypeScript
HTML/CSS SQL git

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
- Currently used by over 150 servers and constantly growing

Python 3 MySQL discord.py AWS HTTP

Neurologue

Brain-computer interface (BCI) powered video game

📅 May 2020 🔗 kevinjycui/Neurologue

- An interactive CYOA web game detecting real-time player EEG physiological metrics to determine behaviour in-game
- Configured back-end server connection and BCI 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
WebSockets

AWARDS & ACHIEVEMENTS



PicoCTF 2019, 29th Place

29th place on Canadian Scoreboard; Online Cyber-Security Contest hosted by Carnegie Mellon University

- Forensics
- Web Exploitation
- Cryptography
- Reverse Engineering

🔗 kevinjycui/picoCTF-2019-writeup



PennApps 2019, Top 30

Top 30 Award; Hackathon hosted by the University of Pennsylvania

🌐 devpost.com/software/hand-spoken



DMOJ::Modern Online Judge

Various online competitive programming contests and problems. I also contribute to DMOJ open-source

- Algorithm design
- Data structures

🌐 dmoj.ca/user/ManchurioX/solved

🔗 kevinjycui/Competitive-Programming

C++ 17 Java 11 Python 3

SKILLS

Programming Languages

C++ 17 Python 3 Java 11 JavaScript
HTML+CSS TypeScript SQL Arduino

Frameworks & Databases

React Django Express Angular
Spring Spring Boot MySQL MariaDB

Development Tools & Environment

Git Unix/Linux Windows Node.js
GNU nano Visual Studio Unity

Concepts & Practices

Agile Design Thinking

EDUCATION

McGill University

B.Sc. in Computer Science

📅 2020 – Ongoing 📍 Montreal, QC

Westmount Collegiate Institute

Ontario Secondary School Diploma

📅 2016 – 2020 📍 Vaughan, ON

Academic Average: 97%