

# KEVIN CUI

## Software Development Student

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🔗 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 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 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 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
- Currently used by over 250 servers and constantly growing

Python MariaDB discord.py AWS HTTP

### Neurologue

#### Brain powered video game

📅 May 2020 🔄 kevinjycui/Neurologue



- An interactive CYOA web game detecting real-time player EEG physiological metrics (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  
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 set problems and contribute to DMOJ open source

- Algorithm design
- Data structures

🌐 dmoj.ca/user/ManchurioX/solved

🔗 kevinjycui/Competitive-Programming

C++ Java Python

## SKILLS

### Programming Languages

C++ Python Java JavaScript  
HTML+CSS Bash C TypeScript  
SQL Arduino LaTeX

### Frameworks & Databases

React Django Express Angular  
MySQL MariaDB

### Development Tools & Environment

Git Unix/Linux Windows Vim  
Node.js Visual Studio Unity AWS

### 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%