

# KEVIN CUI

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## 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 400 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 Awk Sed

### Development Tools & Environment

Git Unix/Linux Windows Vim  
Node.js Maven GNU AWS

### Frameworks & Databases

React Django Angular MySQL  
MariaDB Spring

### 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

CGPA: 4.0; Relevant courses: Computer Science, Software Systems, Computer Systems

### Westmount Collegiate Institute

#### Ontario Secondary School Diploma

📅 2016 – 2020 📍 Vaughan, ON

Academic Average: 97%