

# KEVIN CUI

## Software Development Student

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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 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 200 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   Bash   TypeScript   SQL  
Arduino   LaTeX

### Frameworks & Databases

React   Django   Express   Angular  
Spring   Spring Boot   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%