

Steven Kong

✉ me@kongartist.com • ☎ 519-588-7845 • 🌐 kongartist.com • 🎧 Kong-Artist

#Technical Skills

Languages: Java, Python, C, C++, JavaScript, \LaTeX

Technologies: Cheerio.js, Express.js, Google Maps, Node.js, OpenCV, Socket.IO

Tools: Windows, Linux, Git, Photoshop, Premiere

#Projects

Twitch Plays ScribblerBot

JavaScript, Python, Myro, Node.js, OpenCV, Socket.IO

- Wrote a web application that controlled a ScribblerBot via commands from an online chatroom using a Node.js server
- Wrote a stack to queue and randomly select user inputs in real-time
- Created pseudo videostreams from static images delivered by the webcam on the robot and on an overlooking laptop
- Applied project management techniques and planned coding sprints to meet deadlines

Hive

Android, JavaScript, Google Maps, Node.js

YHacks @ Yale University

- Designed a social activity organizer Android application that created and reserved events within a radius
- Integrated a model-view-controller architecture to manage user and event information
- Wrote an API to access and update database of Hive events hosted on Heroku

GymBuddy

Android, Java

DevFest Android Wearable Hackathon

- Designed an AndroidWear application that recorded workouts using voice memos
- Won **1st place**, led team to produce a working demo within 8 hours
- Wrote a parser to break down users' voice commands into quantifiable exercises

TakeABreak

Android, Java, Google Maps

Canada-Wide Science Fair (CWSF)

- Designed an Android application that allowed users to locate nearby bathrooms and water fountains
- Won **bronze** in the national level and **silver** in the provincial level
- Optimized geolocations results from OpenStreetMap's API based on the user's proximity
- Implemented Google Maps' MapView and API to enhance users' navigation to desired destinations

Other projects: Wat2Eat (*SE Hack Day*), CV Press (*Hack the North*), World Domination Strategy Game

#Experience

Academic Peer Tutor

Montreal, QC

Marianopolis College Learning Center

September 2012 - May 2014

- Improved 20 students' academic score by identifying weaknesses and teaching them how to approach problems

Microbiology Lab Assistant

Montreal, QC

Hôpital Notre-Dame

June – August 2013

- Mastered to use gel electrophoresis analysis software to analyze RNA of human cartilage cells

First Responder

Montreal, QC

Saint John Ambulance

October 2012 – July 2014

- Committed over 1000 hours in duties and training while developing communication and prioritization skills
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#Education

University of Waterloo

Waterloo, ON

Candidate for a Bachelor of Software Engineering (BSE)

2014 – 2019 (expected)

#Activities and Interests

- Participated in multiple math and computing competitions, placed **1st** in the region on the 2014 Canadian Computing Competition, placed **3rd** on the 2014 AMQ Competition, placed in the **top 10%** on the 2013 Euclid Competition
- Attended the McGill University Computer Scientist For A Week program and won **1st place** in the AI competition
- President of the photography club at Marianopolis College, revitalized the club and recruited more than 70 members