

John Fish

147 Moore Avenue S.
N2J1X4 Waterloo
Canada

+1 (519) 575 6238

+1 (519) 884 5652

john@johnafish.ca

www.johnafish.ca

www.github.com/johnafish

Education

2013–present **High School**, *Sir John A Macdonald S.S.*, Waterloo, *Grade 11*.

2015 **QCSYS**, *University of Waterloo*, Waterloo.

QCSYS is an international conference of young students for quantum cryptography.

Work Experience

October **After School Club Leader**, *University of Waterloo Engineering Outreach*, Waterloo.

2015–Present I currently am a leader of the senior after school club, where I develop and present an Arduino curriculum to campers.

June–August **Highschool Leader**, *ESQ*, Waterloo.

2015 I developed and presented STEM curriculum to campers. My primary specialties were computer science and robotics.

Projects

September **Muse Grip**, *Hack the North*, Python, C++.

2015 For the muse grip project, I developed a prosthetic hand that could be controlled via jaw clenches.

May 2015 **Othello**, *School*, Python.

I developed an artificial intelligence using minimax for a simple game of Othello.

January 2015 **GPS Footprint**, *CWSF 2015*, HTML, CSS, Javascript.

GPS Footprint is a blackberry application that calculates the carbon emissions of a user based on GPS data. It qualified to the Canada Wide Science Fair in 2015.

November **Flash Math**, *Personal*, HTML, CSS, Javascript.

2014 Flash math is a web application for "mad minute" problems. The app is used by many math teachers across Ontario.

Programming Languages

HTML/CSS Advanced

Python Advanced

C++ Intermediate

JS (jQuery) Advanced

Java Intermediate

Ruby Beginner

Notable Awards

School Gold and silver (top and second best) average 2014 and 2015.

Science Fair Multiple gold medals, award of merit, best in division.

References

Available on request.