

Garrett Yeo

604-677-2031 | garrett.mcyeo@gmail.com | <https://garrettyeo.github.io>

Education

UNIVERSITY OF BRITISH COLUMBIA

Class of 2022

BASc in Engineering

Activities: AMS Game Development Association, UBC Recreation.

BURNABY SOUTH SECONDARY

Multiple time provincial champion in speed swimming.

Activities: Model United Nations Club, Burnaby South Swim Team, Music Council, Senior Jazz Band.

Work Experience

UNIVERSITY OF TORONTO

Research Intern

July – October 2017

- Studied various metrics used to measure athlete fitness under the mentoring of Dr. Ming-Chang Tsai.
- Quantified athletic fitness in swimmers using the Critical Power (CP) model.
- Explored the relation between Critical Power and Critical Speed over varying distances and through the 3-minute all-out test.

CITY OF BURNABY

Lifeguard/Instructor

April 2017 - Present

- Provide first aid and pool supervision, as well as assistance in aquatic recreation.
- Teach children ages 3 through 12 stroke fundamentals and water safety skills to the Red Cross Standard.
- Teach basic rescue and recovery skills to Lifesaving Society Safety Standards.

CITY OF VANCOUVER

Lifeguard/Instructor

March 2017 - Present

- Provide first aid and aquatic emergency care to patrons.
- Teach children stroke fundamentals and water safety skills to the Red Cross Standard.

BURNABY BARRACUDAS AQUATICS CLUB

Swim Coach

January 2016 - Present

- Teach and mentor school age children to perform in various competitions, up to the provincial level.
- Lead daily practices and warm-up sessions throughout the summer, and weekly practices during the winter season.
- Created and developed a daily fitness regimen for swimmers.
- Provide one-on-one feedback to swimmers for stroke correction and mechanics.

PACIFIC FUTURE ENERGY CANADA

Research Intern

March – April 2016

- Performed clerical tasks and took minutes during meetings.
- Analyzed and mapped songbird diversity in northern British Columbia using Google Earth.

Projects

APPLIANCE SMART

HallowHacks 2018

- Connected users with the national EnerGuide database to determine the least energy-consuming appliance to be used.
- Developed a web application using Angular and Bootstrap
- Calculated costs of energy consumption per billing cycle based on the appliance model.
- Provide a site where community groups can raise funding for their specific appliance needs.

SUMMIT

AngelHack Seattle 2018

- Developed a mobile application using that promotes hiking and improves safety.
- Provide users with information on hiking trails close to their location.

Programming Languages

C, C++, Java, JavaScript (Angular, Node)

Volunteer Experience

SFU SCIENCE ALIVE

Junior Instructor

February 2016 – April 2018

- Help teach school age students computer programming fundamentals in Python and Scratch in Codemakers classes.
- Designed lesson plans and experiments to be executed in classes.

SPECIAL OLYMPICS BC

Assistant Swim Coach

October 2017 - Present

- Serve as the assistant coach of Aquatics for Special Olympics BC in Richmond and Burnaby.
- Teach people with intellectual disabilities and special needs swimming fundamentals.
- Prepared select swimmers for the annual Tom Greenfield swim meet at UBC.

BABY BARRACUDAS AQUATICS PROGRAM

Swim Instructor

January 2013 – January 2016

- Shadowed senior swim coaches, managed equipment, and learned how to teach peers.
- Developed a long-term lesson plan to be portion was executed over three months.

METRO VANCOUVER DREAM CENTRE SOCIETY

Volunteer

November 2014 – October 2017

- Served hot meals to those in need every second Monday of the month at St. Michael's Anglican Church.
- Served Thanksgiving and Christmas dinners to patrons and guests.

Honours and Awards

- Burnaby Barracudas Outstanding Leadership Award (2017 and 2018)
- 3rd place finish — HallowHacks 2018
- Regional and Provincial Record Holder
- Provincial Speed Swimming Champion

Certifications

- BC Soccer Small Sided Referee Certification
- Bronze Cross and Bronze Medallion
- National Lifeguard – Pool
- Lifesaving Instructor
- Standard First Aid and CPR/AED Level C
- Water Safety Instructor