Sarah Yeo

Education

- **University of British Columbia** Vancouver, BC
  Bachelor of Science in Combined Computer Science and Math *Excepted June 2017*
  - Current GPA: 4.33 – Science Scholar/Dean's Honour List
  - Relevant Coursework : Software Architecture, Data Structures, Operating Systems, Computing Hardware
  - Awards: Trek Excellence Scholarship, J Fred Muir Memorial Scholarship, Chancellor's Scholar Award
- **University Transition Program** Vancouver, BC
  High School *Sept. 2011 - June 2013*
  - Core Average: 97%
  - Awards: Top Academic Graduate, Top Academic Year One Student, Graduation Program Examination Scholarship, District/Authority Award, Passport to Education

Experience

- **UBC Computer Science Department** Vancouver, BC
  Undergraduate Teaching Assistant *Sept. 2014 – Present*
  - Responsible for running labs, holding office hours, invigilating exams, and grading coursework for CPSC 110
  - Instructed students by giving short lectures at the beginning of labs, explaining concepts and answering questions about material
  - Accountable for enforcing administrative policies and maintaining online question forum Piazza
- **Percy Norman Swim Club** Vancouver, BC
  Swim Coach *Sept. 2013 – Present*
  - Responsible for planning and leading swim practice for young competitive swimmers
  - Taught swimmers how to improve their technique based on knowledge gained from past experiences as a National level competitive swimmer
  - Mentor and guide Assistant Coaches and Junior Leaders
  - Worked closely with other coaches and parents to create a open, inclusive inter-club community through planning and facilitating events such Christmas and Year-End Parties, Time Trials, and Mile Swims

Projects

Cops n' Robbers: Collaborated with four people over the winter break of 2014 to create an addicting two-player Android game written in Java, centred around the idea of a single button game design. Available on the Google Play Store.

Research Project: *Discovering host specific adaptive mutations in pathogenic organisms.*
In the process of developing an analytical pipeline in python that, given a set of genomic reads isolated from a pathogen, is capable of identifying and ranking mutations by their potential biological significance. End goal is to present completed project at the Multidisciplinary Undergraduate Research Conference, 2015.

Restaurant Quiz: Utilized GoogleMaps API as well as Yelp API to implement a fun, interactive game centred around guessing various restaurant locations across Canada. Developed as the term project for CPSC 210.

Skills

Programming Experience: Java, C/C++, Racket and Python
Web Development Experience: JavaScript, Phaser.js, HTML5 and CSS3
Mobile Development Experience: Android
Other: Proficient in the use of OS X and Windows environments, Microsoft Office, LaTex and Vim

Volunteer

- **Special Olympics BC** Vancouver, BC
  Volunteer Coach *Sept. 2013 – Present*
  - Responsible for leading athletes with mental and physical disabilities through interactive activities in the pool, with emphasis on encouragement and positive reinforcement
  - Interacted with athletes to help them develop social and developmental skills
- **Saint John's Ambulance** Vancouver, BC
  Volunteer Medical First Responder *Sept. 2013 – Present*
  - Responsible for providing volunteer first aid at community events, as well as educating the public on the importance of health and safety in daily life
  - Holds and maintains valid Medical First Responder (MFR), CPR-HCP and National Lifegaurd Service (NLS) Pool
- **UBC Mental Health Awareness Club** Vancouver, BC
  Outreach Coordinator *Sept. 2014 – Present*
  - Responsible for running and maintaining UBC MHAC's presence on various social media platforms including Facebook, Instagram, Twitter and AskFM
  - Responsible for organizing and facilitating promotional campaigns and fundraisers
  - Promotional Coordinator for the national Defeat Depressions campaign, responsible for promoting the Defeat Depression 5K Walk/Run hosted by UBC MHAC