Ian G.A. Chew
770 Milford Drive • Kingston, Ontario • K7P 1A6 • 343-333-4447
igac96@gmail.com

Education:

Computer Science and Mathematics Student, Bachelor of Computing (Honours) Program, Queen's University, Kingston, Ontario (2014 – present; graduation Dec. 2018)
- Cumulative GPA of 4.110
- Received an A+ in CISC 458, Programming Language Processors, and an A in CISC 452, Neural and Genetic Computing (2018)
- Presented original research at the CSearch 2018 computer science conference on a neural network capable of identifying images after cropping, rotation, compression, and overlaid text with a 97.8% accuracy.

Graduate, Loyalist Collegiate and Vocational Institute, Kingston, Ontario (2010 - 2014)

Relevant Employment Experience:

Software Developer, Lamontagne Geophysics Ltd., Kingston, Ontario (summer 2016, internship through 2017, summer 2018)
- Developed translation software to transform Motorola DSP96000 assembly into ARM assembly, along with a preprocessor for ARM assembly
- Used git along with creating an automated test suite
- Programmed in a variety of languages including Python 2/3, C, C++14/17, and Assembly
- Created RTL code in Verilog using Intel Quartus to program SoC FPGA hardware and simulate hardware input
- Developed interrupt-based drivers for Linux to interface with the FPGA hardware
- Worked with real-time computing code, optimizing to achieve lower latency

Teaching Assistant, Queen's University, Kingston, Ontario (winter 2016, 2017)
- Marked technical papers and tests in the fields of linear algebra and data structures
- Answered questions asked by students
- Cooperated with other teaching assistants to distribute work

Awards and Achievements:
- First place at the **CSearch 2018** coding competition.
- Received the **Nellie & Ralph Jeffery Award in Mathematics** twice by achieving a high GPA in the first three years of university in mathematics courses (August 2017, 2018)
- Received the **Queen's Appeal Undergraduate Scholarship**, which is awarded to 16 students with high academic standing entering second year or above in the Faculty of Arts and Science (November 2016)
- Received the **Principal's Scholarship for Queen's University** by graduating with an average above 95% in six Grade 12 courses (June 2014)

Activities and Interests:

Violist
- Queen's University Symphony Orchestra, Kingston, Ontario (2015 - 2016)
- Stringtown Orchestra, Kingston, Ontario (2014 - 2015)
- Kingston Youth Orchestra, Kingston, Ontario (2011 - 2014), Principal Violist (2012 - 2014)

Dancer, Leisa's School of Dance, Kingston, Ontario (2005 - 2016)
- Achieved Associates Degrees in Tap and Step