

# Tamir Arnesty

Computer Science Student  
University of Western Ontario

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A passionate, detail-oriented, and skilled computer science student with extensive knowledge in computer programming and mobile app development, with a strong foundation in Java and Swift. Seeking an opportunity to leverage my skills and interests in advancing technology.

## Skills

- ◇ Extensive experience with iOS Development, and UI and UX design
- ◇ Critical thinking, logic, math, Swift, Java, Python, C++, and Object-Oriented Programming

## Education

**Undergraduate Studies at University of Western Ontario** *Sept. 2017 – Present*  
*Studying Honours Specialization in Computer Science with a minor in Software Engineering*

- ◇ Lead iOS Developer of AvocadoCore
- ◇ Participated in Communitel's Code/Design to Win coding competition

## Projects

**Avo AI Tutor – Swift** *Nov. 2017 – Present*

- ◇ Lead iOS Developer of AvocadoCore
- ◇ A multi-disciplinary team of students, developing math-based software for the University of Western Ontario

**Sumo Bot – ArduinoC** *Jan. 2017 – March 2017*

- ◇ Self-controlled robot, powered by an Arduino with a 4-channel motor shield (Source code available on GitHub)
- ◇ Uses 2 HC-SR04 Ultrasonic Sensors to detect objects within 50 cm in front and behind the robot

**Rearing Ranch Game – Java** *May 2016 – June 2016*

- ◇ A developmental, educational game for children between the ages of 3 to 5. Created as a final project for grade 12 AP Computer Science course (Source code available on GitHub)

**Intelligent Car – ArduinoC** *Oct. 2016 – Dec. 2016*

- ◇ A smart, self-driving car that traces a complex circuit in under 1 minute and 45 seconds
- ◇ Uses Arduino, Light Dependent Resistors (LDRs) and LEDs to follow a path outlined in black tape on a white Bristol board (Source code available on GitHub)

**Lyon's Den – Swift and Java** *June 2016 – June 2017*

- ◇ Co-creator of Lyon's Den mobile utility app for William Lyon Mackenzie CI (Source code available on GitHub)
- ◇ Integrates Google's Firebase Real-Time Database & Authentication Services, OneSignal Notification Services, and a built-in, visual calendar that is synchronized with the William Lyon Mackenzie CI Google Calendar

## Achievements

- ◇ Top 25 percentile of contestants in the Canadian Computing Competition (Senior Division) *2017*
- ◇ William Lyon Mackenzie CI Achievement of Excellence in Computer Science, and Film and Video *2018*

## Work Experience

**The Twisted Toque – Host & Server** *Nov. 2017 – Feb. 2018*

- ◇ Manage in-person and telephone guest inquiries and reservation bookings
- ◇ Smart Serve Certified

**Dafna's Swim Centre – Swim Instructor** *Sept. 2016 – June 2017*

- ◇ Teaching Red Cross swimming levels, safety pool rules and safety precautions to consider in open water to children of ages 14 and younger

**Crestwood Valley Day Camp – Lifeguard and Swim Instructor** *July 2016 – August 2016*

- ◇ Teaching the fundamental skills of swimming and pool safety
- ◇ Preparing students for examinations and teaching essential life skills pertaining to water safety