

# OMAR AKKILA

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## EDUCATION

### MCGILL UNIVERSITY, MONTREAL, QC

- Bachelor of Software Engineering

*Sept 2011 – April 2017 (expected)*

## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

- Java (Advanced)
- Python (Intermediate)
- Javascript (Intermediate)
- OCaml (Intermediate)
- C (Basic)
- Bash (Basic)

### FRAMEWORKS & TOOLS

- Git (Intermediate)
- Unix (Intermediate)
- jQuery (Basic)
- Bootstrap (Basic)
- Django (Basic)
- DB2 (Course Experience)

## PERSONAL AND UNIVERSITY PROJECTS

### SOCCER-PLAYING AUTONOMOUS ROBOT – FIRST PLACE IN DESIGN COMPETITION (ECSE 211 WINTER 2016)

- Lead software designer; functional capabilities include localization, navigation, obstacle avoidance, odometry, ball-loading mechanism, and launching mechanism
- Constructed with the Lego Mindstorms EV3 Controller with Lego-based sensors and pieces
- Developed as a multi-threaded Java program utilizing the LeJOS EV3 API

### OMAKK.GITHUB.IO

- Personal website developed using Bootstrap, HTML, and CSS

### DEFENSE OF TOWERS: AEGIS

- Tower defense video game developed with Unity game engine for class project

### BELONGING COMICS – (*In progress*)

- Webcomic built using Jekyll, a blog-aware static site generator

## WORK EXPERIENCE

### COMPUTER SCIENCE UNDERGRADUATE SOCIETY (CSUS) HELP DESK TUTOR

*Sept 2016 – Current*

- Assist students with coursework and deliver mock interviews for upper-year students

### PERSONAL TUTOR

*Nov 2014 – Dec 2014*

- Tutored students one-on-one in two subjects, COMP 202 (Foundations of Programming) and MATH 141 (Calculus 2), during and prior the final exams period

### MCGILL UNIVERSITY TECH FAIR VOLUNTEER

*Oct 2014*

- Assist in set up of company stalls, security, and overall management

## LANGUAGES

### ENGLISH, ARABIC

- Native oral and literary skills

### FRENCH

- Limited working oral skills with basic literary skills