# RUSSELL CLAREY

russellclarey.com   github.com/rclarey
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## PROJECTS

**Playlister**                                    Dec. 2015 – present
- Currently developing a web application using the MEAN Stack
- Utilizes the Youtube Data API, and SoundCloud API to collect music content from their respective sites
- Provides functionality such as managing user accounts, creating and customizing playlists, and search filtering

**Personal Website**                                    Dec. 2015
- Designed and developed a responsive, and informative website using AngularJS, GreenSock, Bootstrap, and HTML5 canvas

**MyoMusic, EngHack**                                    Nov.  2015
- Developed a web-based Myo controlled rhythm game, similar to Guitar Hero, where player play notes using the motion of their arms
- Utilized the Myo SDK to receive and interpret spatial data to create meaningful inputs for the game
  o myomusic.ga

**FallDown**                                    Nov. 2015
- Recreated the classic game FallDown on TI Tiva LaunchPad microcontroller, similar to Arduino
- Implemented features such as generating power-ups and tracking highscore

## WORK EXPERIENCE

**Lifeguard**                                    2012 – 2015
City of Toronto, Toronto, ON
- Conducted administrative tasks to support the wading pool program & kept daily logs
- Performed pool and facility maintenance.  These responsibilities included: adding appropriate chemicals, conducting pool chemistry tests, filling, draining & cleaning of the pool

**Private Tutor**                                    2014 – 2015
Malvern Collegiate Institute, Toronto, ON
- Worked with teachers to develop study plans to tutor a student in Math and Physics

## SKILLS

**Proficient:** Javascript, HTML5, CSS, SASS, AngularJS, jQuery, Bootstrap
**Familiar:** Python, Java, NodeJS, ExpressJS, MongoDB, GreenSock, C, C++
**Tools:** Git, Grunt, Vim

## AWARDS & ACHIEVEMENTS

**Certificate of Achievement in Computer Science**
September, 2014
- Recieved Certificate of Achievement for Outstanding Achievement and Excellence in Computer Science

**Certificate of Achievement in Jazz Music**
September, 2014
- Recieved Certificate of Achievement for Outstanding Achievement and Excellence in Jazz Music

## EDUCATION

**University of Waterloo**
Honours Bachelor of Software Engineering

## INTERESTS

Reading, gaming, Japanese language, movies