

matthew  
tesfaldet



**address**  
40 Frederick Street  
Toronto, Ontario  
M5A 4A8  
**tel**  
647 296 9710  
**e-mail**  
tesfaldet@hotmail.com  
**github**  
/tesfaldet  
**site**  
mtesfaldet.net

#### profile

A programmer with a penchant for 3D graphics, design, and music production, and interested in the field of interactive data visualization with applications of VR/AR.

#### work experience

##### software developer

D2L, Toronto, Ontario, January 2015 - August 2015

Helped design and develop solutions for enhancing the learning experience in the corporate workspace.

Technologies used: MongoDB, Express, Angular, Node, Vagrant, Docker, Gulp, NPM, Bower, Slush, LESS, CircleCI, Coveralls

##### software developer

RL Solutions, Toronto, Ontario, May 2014 - August 2014

Responsible for designing and developing product administration tools; supported the Product Development team with troubleshooting. Developed a migration tool supporting large-scaled data migration for clients upgrading from the legacy product to the latest version.

Technologies used: C#, .NET, SVN, SQL Server

##### research assistant

Ryerson University, Toronto, Ontario, January 2014 - April 2014

Researched under Dr. Alireza Sadeghian and collaborated with St. Michael's Hospital in ideating surgery-assistance software solutions with Google Glass and Microsoft Kinect.

##### software developer

Desire2Learn Inc., Toronto, Ontario, May 2014 - August 2014

Developed a comment and rating system for the Integration & Extensibility team's application store. Helped maintain and develop an online application store for clients to easily locate and install extensions to their Learning Management Systems.

Technologies used: Javascript, jQuery, Backbone, PHP, MySQL, Git, Mercurial

#### education

##### b. sc., computer science (co-op)

Ryerson University, Toronto, Ontario, 2011 - Present

CGPA: 4.28 / 4.33

Expected graduation date: April 2016

Currently enrolled in 4th year

##### academic projects


TankSim - 3D tank simulator using OpenGL 1.2+ with collision detection, phong shading, and texture mapping.

PIDLaptopCoolerArduino - Adaptive laptop cooler using PID (proportional-integral-derivative) for optimum temperature control.

##### personal projects

mongoose-opt-paginate - Optimized pagination in Mongoose + Mongo using indexes with fallback.

thiscog - Web app for uploading and displaying album information using node.js, ExpressJS, MongoDB, Backbone, and Marionette.



#### volunteer experience

##### **director of science**

Ryerson Students' Union, Toronto, Ontario, May 2015 - Present

The Board of Directors is the representative body for all full-time undergraduate and all graduate students at Ryerson University. Ensure that the concerns of students from individual faculties and programs are well represented at the RSU.

##### **vice-president careers & outreach**

Ryerson Computer Science Course Union, Toronto, Ontario, May 2015 - Present

Consult with the Co-op Program Director on issues identified by members with the co-op program. Act as a liaison between the Office of Co-operative Education, the Career Centre, the Office of Science Outreach and Enrichment and the organization. Help plan and organize career oriented events in consultation with the Vice President Operations and Events.

##### **tutor**

Pointers Homework Help Club, Toronto, Ontario, September 2014 - December 2014

Lead the Ryerson Computer Science Course Union's "Pointers" Homework Help Club for 1st and 2nd Year Computer Science students looking for help in their Math and/or Computer Science courses.

##### **4th year representative**

Ryerson Computer Science Course Union, Toronto, Ontario, May 2014 - January 2015

Acted as a liaison and representative between the fourth-year students and the faculty. Responsible for effectively communicating the wishes and concerns of the students to the faculty.

#### awards & achievements

##### **sony canada charitable foundation scholarship**

Ryerson University, Toronto, Ontario, 2014 - 2015

Presented to a student currently enrolled in fourth year of the Computer Science program on a full-time basis with a clear academic standing; must have the highest CGPA at the end of the third year.

##### **sudharakan aerath memorial award**

Ryerson University, Toronto, Ontario, 2013 - 2014

Presented to a student currently enrolled full-time in Computer Science and who has the highest overall standing in Mathematics in the first four semesters.