

# Marie Burkland

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<b>Education</b>	<b>Massachusetts Institute of Technology (MIT)</b> Candidate for Bachelor of Science in Chemical Engineering; GPA: 4.8/5.0 Relevant coursework: Multivariable Calculus, Differential Equations, Chemistry, Biology.	Cambridge, MA June 2013
	<b>Almont High School</b> Valedictorian in class 146 students; GPA: 4.0	Almont, MI June 2009
<b>Work Experience</b>	<b>United States Army Tank Automotive Research, Development and Engineering Center (TARDEC)</b> <i>Summer Intern for Petroleum and Water Systems</i> <ul style="list-style-type: none"><li>Worked 40 hours per week on four-person team to develop and implement a direct integrity test to determine quality of ultrafiltration membranes on the Lightweight Water Purifier (LWP), used in the field during military operations.</li><li>Researched possible testing methods and developed project phases.</li><li>Built a model filtration system, chose most efficient integrity test, implemented test onto LWP.</li><li>Wrote 18-page technical report on testing procedures and results.</li><li>Presented work to leaders within TARDEC.</li></ul>	Warren, MI June-Aug. 2010
	<b>Tutoring</b> <i>Middle School Math Tutor</i> <ul style="list-style-type: none"><li>Assisted 3 students with homework assignments and test preparation for 2 to 4 hours per week.</li><li>Scores of 2 of 3 students improved by 2 full letter grades.</li></ul>	Almont, MI Nov. 2007-May 2009
<b>Leadership Experience</b>	<b>High School National Honor Society</b> <i>Secretary</i> <ul style="list-style-type: none"><li>Recorded meeting minutes and attendance, kept records of community service activities for 45 members.</li><li>Headed school's plastic and paper recycling program. Included 25 classrooms, assembled teams to collect and transport recyclables weekly.</li><li>Organized and ran two Red Cross blood drives, collected over 100 blood donations.</li></ul>	May 2007- May 2009
	<b>High School Student Council</b> <i>Secretary</i> <ul style="list-style-type: none"><li>Documented 32 weekly meeting agendas and minutes, recorded attendance of 43 members.</li></ul> <i>Class Vice President</i> <ul style="list-style-type: none"><li>Worked on a team to organize 7 school functions, helped run weekly meetings.</li></ul>	Aug. 2007-May 2009 Aug. 2005-May 2007
<b>Activities &amp; Awards</b>	<b>MIT Varsity Athletics</b> <ul style="list-style-type: none"><li>Cross country, indoor and outdoor track, team member.</li></ul>	Aug. 2009-present
	<b>High School Varsity Athletics</b> <ul style="list-style-type: none"><li>Cross country and track and field, team captain.</li></ul>	Aug. 2005-May 2009
	<b>Girls' Travel Ice Hockey, Sarnia, Ontario</b> <ul style="list-style-type: none"><li>Team captain.</li></ul>	Sept. 2000-April 2009
	<b>Mott Community College Mathematics Competition</b> <ul style="list-style-type: none"><li>1<sup>st</sup> place out of 30 teams.</li></ul>	April 2008
	<b>Detroit Free Press Scholar-Athlete Award</b>	May 2009
	<b>Channel 7, Detroit, WXYZ Brightest and Best Award</b>	May 2009
<b>Skills</b>	<b>Computer:</b> Microsoft Office Suite, familiarity with C++. <b>Language:</b> Intermediate proficiency in Spanish.	