

# William Oursler

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## Education

### **Massachusetts Institute of Technology** 2011 - 2015

Majors: 6 (Electrical Engineering & Computer Science) and 18 (Mathematics)

Notable Classes (Taken or Currently Enrolled): 6.02 Digital Communication Systems, 6.004 Computation Structures, 6.002 Circuits & Electronics, 8.022 Electricity & Magnetism, 18.03 Differential Equations, 18.06 Linear Algebra, 18.100B Analysis

### **St. Mary's High School, Medford, OR** 2007 - 2011

GPA: 3.93; SAT: 2290

## Work Experience

<b>Undergraduate Researcher</b>	Locomotion Lab (MIT CSAIL) Cambridge, MA	<i>Fall 2011 - Present</i>
<b>Tech Consulting &amp; Web Design</b>	Rogue Valley Dermatology Medford, OR	<i>Fall 2007 - Present</i>
<b>Volunteer Exhibit Interpreter</b>	ScienceWorks Hands-On Museum Ashland, OR	<i>Fall 2007 - Spring 2011</i>

## Computer Skills

**C++** Proficient with Visual Studio (5 years of high-school classes). Implemented a kernalized Hough Transform module and GLUT GUI for my 3D scanner project (see my website for details).

**Java** CSAIL UROP requires work on the source of Yobotics Simulation Construction Set, written in Java. Scored a 5 (the highest score possible) on the Java-based AP Computer Science A test.

**Python** Familiar with tkinter, numpy, and matplotlib. Numerous personal projects, 50+ Project Euler problems, etc.

**Web Development** Familiar with HTML5 Development, including the use of LESS and CoffeeScript. Limited experience with Django. See <http://simmons-dev.mit.edu/dashboard> for a current project.

**Git** Have used git for numerous projects, including MASLAB 2012, the Simmons Dashboard, my website, and other personal projects.

**L<sup>A</sup>T<sub>E</sub>X** This resume is typeset in L<sup>A</sup>T<sub>E</sub>X. I also tend to T<sub>E</sub>X math and CS Psets where effective.

**Linux Terminal / Bash Scripting** Ubuntu Linux is my primary operating system.

## Honors and Awards

**Student of the Year** 2011 - St. Mary's - Awarded to the senior who most exemplifies scholastic excellence.

**Carl Friedrich Gauss Award for Mathematics** 2011 - St. Mary's - Award for outstanding problem solving and devotion to mathematics.

**First place at the Oregon State Math Tournament** 2011 - Department of Mathematics, Oregon State University

**Outstanding Teen Volunteer** 2010 - ScienceWorks - Award "in recognition of his outstanding accomplishments and contributions to ScienceWorks Hands-on Museum".