

158 Magazine St. Apt. 7  
Cambridge, MA 02139

**Michael Mekonnen**

[mikemeko@mit.edu](mailto:mikemeko@mit.edu)  
+1 (301) 300 - 8813

## Education

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**Massachusetts Institute of Technology (MIT)**, Cambridge, MA *June 2013 (expected)*  
Candidate for Bachelor of Science degree in Electrical Engineering and Computer Science  
Candidate for Bachelor of Science degree in Mathematics  
EECS GPA: 5.0/5.0; Mathematics GPA: 4.9/5.0; Overall GPA: 5.0/5.0

## Work Experience

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**Google: Software Engineering Internship** [Java] *London, UK*  
*June – August 2012*

- Developed on the **Android YouTube App** team.
- Completed two projects. The first involved a major user interface re-factor. The second involved the design and implementation of a new feature on the app.

**Google: BOLD Practicum** [C++] *Cambridge, MA*  
*June – August 2011*

- Developed on the **Chromium OS** team.
- Added a feature to the Network Usage Tracking package that records daily bandwidth usage. This can be used to make better informed decisions about which data plans to purchase. Also improved the abstract representation of cellular data plans.

**MIT: Laboratory Assistant** *Cambridge, MA*  
Class: Introduction to EECS I [Python] *September – December 2010, 2012*  
Class: Mathematics for Computer Science *September – December 2011*

- Guided students through lab, class-work, and home-work assignments.

## Research Experience

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**MIT: Undergraduate Research Opportunities Program** [Python] *Cambridge, MA*  
Research Assistant *February 2011 – Present*

- Designed, implemented, and released for use the **Urban Network Analysis Toolbox** for ArcGIS 10, a toolbox that measures the accessibility of buildings in street-networks.
- Presented at the 2012 ESRI GeoDesign Summit and the 2012 AAG Annual Meeting.
- Co-authored and published a paper describing the toolbox.
- Received 2012 Spring Simulation Multiconference SimAUD Outstanding Paper Award.

**National Institute of Health (NIH): Lab of Biological Modeling** [Python, MatLab] *Bethesda, MD*  
Pre-Doctoral Intramural Research Training Award *June – August 2010*

- Designed and implemented computational methods to predict Transcription Factor – DNA Probe binding intensities in response to a challenge presented in the 5<sup>th</sup> annual Dialogue for Reverse Engineering Assessments and Methods.
- Composed a poster and presented methods and findings at an NIH poster session.

## Skills

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Computer: Proficient in Java, Python; Experience in C++, HTML, CSS, JavaScript, jQuery, MatLab  
Language: Fluent in Amharic, English; Basic Spanish

## Extracurricular

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Resume book co-chair of MIT chapter of **Eta Kappa Nu** *2012 – Present*  
Member of MIT chapter of **Tau Beta Pi** *2012 – Present*  
Ron Brown Scholar *2009 – Present*  
Collegiate Directions Inc. Scholar *2009 – Present*  
Intramural Tennis [Captain]; Intramural Soccer *2009 – 2012*