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Michael Mekonnen

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Education

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

Google: Software Engineering Internship [Java] *London, UK*
- Developed on the **Android YouTube App** team. *June – August 2012*
- 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*
- Developed on the **Chromium OS** team. *June – August 2011*
- 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

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 challenged presented in the 5th annual Dialogue for Reverse Engineering Assessments and Methods.
- Composed a poster and presented methods and findings at an NIH poster session.

Skills

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

Extracurricular

Resume book co-chair of MIT chapters of **Eta Kappa Nu** *2012 – Present*
Member of MIT chapter of **Tau Beta Pi** *2012 – Present*
President of the Ethiopian and Eritrean Students Association at MIT *2012 – Present*
Ron Brown Scholar; Collegiate Directions Inc. Scholar *2009 – Present*
Intramural Tennis [Captain]; Intramural Soccer *2009 – 2012*