

# Luke Metz

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## *Education*

**Franklin W. Olin College of Engineering**      Needham, MA  
Candidate for Bachelor of Science in Engineering      GPA 4.0      May 2015  
Recipient of 4-year, 50% Olin Merit Scholarship  
Electrical and Computer Engineering Major

**Champlain Valley Union High**      Hinesburg, VT      GPA 4.0      Class of June 2010

## *Experience*

**Pivotal Labs**      New York, NY      Summer 2012  
Software Engineering Intern: IOS developer; sole intern on team charged with building mobile applications; experience with Agile development.

**Olin College**      Needham, MA      Fall 2012 - Present  
Member of Olin Robotics and Bioinspiration Lab, ORB. Research into small scale, under-actuated legged robots under direction of Professor Aaron Hoover.

**Olin College**      Needham, MA      Fall 2011 - Present  
Member of small research team working on Infinite Z's zSpace device—virtual-holographic visualization platform—under direction of Scott Harris, Cofounder of SolidWorks.

## *Skills*

Computer: Adobe Photoshop, Adobe InDesign, Maya, Blender, SolidWorks  
Languages: C++, C, Objective-C, OpenCL, Python, MATLAB and experience with OpenGL, GLSL shaders, Java, PHP, Unity3D, Javascript, C#, HTML, CSS.  
Experience with Arduino and dsPIC microcontroller programming  
Experience with various Linux distros, Mac, and Windows.

## *Interests*

Graphics programming, game development technologies, and procedural content generation including the creation of a library for volume-based modeling.      August 2012

Experience with open source 3D printing and laser cutter technology. Assembly of a MakerBot Cupcake CNC used to make a RepRap Mendel.      June 2009 – June 2010