# MICAH LAMB

10787 Watkins Road • Pataskala, OH • 740-407-7509 • micah.d.lamb@gmail.com

## Education

### The Ohio State University - Columbus, Ohio Ohio University - Athens, Ohio

*M.S. Computer Science, 5/2013 (GPA: 3.77/4) B.S. Computer Science, 6/2008*

## Summary of Qualifications

* Several years of front and back end web development experience using a variety of server languages, databases and JavaScript frameworks. Capable with the MEAN (MongoDB, Express, AngularJS, Node.js) stack + Bootstrap.
* Python expert and over 9 years’ experience working with C++.
* Well-versed in the field of computer graphics - OpenGL/GLSL programming, linear algebra etc.

## Professional Experience

### Software Developer for [*Inspire*](http://www.solidthinking.com/ProductOverview.aspx?item=Inspire), - Altair Oct 2013 – Current

* Primary developer on the Python API: a library used by multiple groups in the company (as well as end users) to customize/extend Inspire through plugins.

Implemented features include the ability to dynamically extend the C++ data model with new classes, creation of graphics, manipulators, dialogs and various other views.

Prioritized keeping the user code as simple/intuitive as possible resulting in new requirements being developed in drastically less time/code than comparable C++ implementations.

* Developer on a multibody dynamics plugin ([Inspire Motion](https://www.youtube.com/watch?v=yYpWsDAAmAY)) using the Python API from start through multiple release cycles.
* Maintained a comprehensive test suite of both batch and gui tests using pytest.

### Web Developer - Schedule Star July 2007 – Aug. 2009

* Developed several additions to the core Schedule Star program used by thousands of schools nationwide to manage high school sport events. This involved the creation of a variety of flash based forms.
* Designed and built a variety of web pages on HighSchoolSports.net, the most visited website for high school sports.
* Developed a video upload system used by students and local media to manage/display clips from sport events.
* Rewrote a site used to manage athletes and record statistical information about several types of sport events (using ExtJs). Reworked several multi thousand line files down to hundreds.
* Created and worked with several web services used to exchange information between partner companies.