

# MICAH OEVERMANN

College Station, Texas  
mjooevermann@gmail.com

## EDUCATION

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**University of California, Berkeley**  
B.S. in Computer Science & Engineering  
Minor in Linguistics  
Member of Eta Kappa Nu  
Member of Upsilon Pi Epsilon  
Overall GPA: 5.678

*June 2004*

## EXPERIENCE

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**ACME, Inc**  
*Web Developer*

October 2010 - Present  
*Palo Alto, CA*

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- Donec et mollis dolor. Praesent et diam eget libero Adobe Coldfusion egestas mattis sit amet vitae augue.
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- Pellentesque auctor nisi id magna consequat JavaScript sagittis.
- Aliquam at massa ipsum. Quisque bash bibendum purus convallis nulla ultrices ultricies.

**AJAX Hosting**  
*Lead Developer*

December 2009 - October 2010  
*Austin, TX*

- Aenean ut gravida lorem. Ut turpis felis, Perl pulvinar a semper sed, adipiscing id dolor.
- Curabitur dapibus enim sit amet elit pharetra tincidunt website feugiat nisl imperdiet. Ut convallis AJAX libero in urna ultrices accumsan.
- Cum sociis natoque penatibus et magnis dis MySQL parturient montes, nascetur ridiculus mus.
- In rutrum accumsan ultricies. Mauris vitae nisi at sem facilisis semper ac in est.
- Nullam cursus suscipit nisi, et ultrices justo sodales nec. Fusce venenatis facilisis lectus ac semper.

**TinySoft**  
*Web Designer & Developer*

January 2008 - April 2010  
*Gainesville, GA*

- Vivamus PostgreSQL fermentum semper porta. Nunc diam velit PHP, adipiscing ut tristique vitae
- Maecenas convallis ullamcorper ultricies stylesheets.
- Quisque mi metus, unit tests CSS ornare sit amet fermentum et, tincidunt et orci.
- Curabitur venenatis pulvinar tellus gravida ornare. Sed et erat faucibus nunc euismod ultricies ut id

## TECHNICAL STRENGTHS

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|-----------------------------|--|
| <b>Computer Languages</b>   | Prolog, Haskell, AWK, Erlang, Scheme, ML |
| <b>Protocols &amp; APIs</b> | XML, JSON, SOAP, REST                    |
| <b>Databases</b>            | MySQL, PostgreSQL, Microsoft SQL         |
| <b>Tools</b>                | SVN, Vim, Emacs                          |

### Journal Articles

Empirically Compensated Setpoint Tracking for Spherical Robots With Pressurized Soft-Shells

Derek J Pravecek, **Micah J Oevermann**, Gray C Thomas, Robert O Ambrose

*IEEE Robotics and Automation Letters* (2025). 2025

### Peer Reviewed Conference Papers

Scaling of RoboBall: A Parametric Robot Family for Crater Exploration

Rishi V Jangale, Aaron Villanueva, Garrett Jibrail, **Micah J Oevermann**, Derek J Pravecek, Meghali P Dravid, Robert O Ambrose

*2025 IEEE Aerospace Conference*, 2025

A Pressure Model and Control System for a Pressurized Pendulum Driven Spherical Robot

**Micah J Oevermann**, Meghali P Dravid, Derek J Pravecek, Will Olejnik, Robert O Ambrose

*2025 22nd International Conference on Ubiquitous Robots (UR)*, 2025

Design of a Soft Shell for a Spherical Exploration Robot Traversing Varying Terrain

Meghali Prashant Dravid, **Micah Oevermann**, David McDougall, David Dugas, Robert Ambrose

*2024 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, 2024

A Soft Spherical Robot for Lunar Crater Exploration

**Micah Oevermann**, Meghali Prashant Dravid, Garrett Jibrail, Jared Janak, Rishi Jangale, David McDougall, David Dugas, Robert O Ambrose

*AIAA SCITECH 2024 Forum, 1961, 2024, 2024*

Roboball: An all-terrain spherical robot with a pressurized shell

**Micah Oevermann**, Derek Pravecek, Garrett Jibrail, Rishi Jangale, Robert O Ambrose

*2024 IEEE International Conference on Robotics and Automation (ICRA)*, 2024

### Presented Abstracts

A System for Exploring Craters and Shadowed Regions of the Lunar South Pole

Meghali Dravid, **Micah Oevermann**, Robert Ambrose

*ASCE Space and Earth Conference*, 2024

RoboBall Recap: Past, Current, and Future Inflatable Spherical Robots

Rishi Jangale, **Micah Oevermann**, Garrett Jibrail, Derek Pravecek, Meghali Dravid, Aaron Villanueva, Robert Ambrose

*40th Anniversary of the IEEE International Conference on Robotics and Automation*, 2024

Persistent intelligence, Surveillance and Reconnaissance for the Lunar Surface

Robert Ambrose, **Micah Oevermann**, Meghali Dravid, Garrett Jibrail

*AIAA ASCEND Conference*, 2023

Design and Dynamics of Rugged Soft Shells for a Pendulum-Driven Spherical Robot

**Micah Oevermann**, Meghali Dravid, Garrett Jibrail, Robert Ambrose

*OSU International Mechatronics Conference and Exposition*, 2023