MICAH OEVERMANN

College Station, Texas

mjooevermann@gmail.com

EDUCATION

University of California, Berkeley *June 2004*

B.S. in Compguter Science & Engineering

Minor in Linguistics

Member of Eta Kappa Nu

Member of Upsilon Pi Epsilon

Overall GPA: 5.678

EXPERIENCE

ACME, Inc October 2010 - Present

Web Developer *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 December 2009 - October 2010

Lead Developer *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 January 2008 - April 2010

Web Designer & Developer *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

Computer Languages	Prolog, Haskell, AWK, Erlang, Scheme, ML
Protocols & APIs	XML, JSON, SOAP, REST
Databases	MySQL, PostgreSQL, Microsoft SQL
Tools	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