

AR-Chemistry Presentations, Publications, Grants, and Awards

Presentations: Awards Highlighted in Yellow

(*) = Undergraduate Student

- Doghaimat, D.*; Tyner, N.*; Patel, S.*; Vazquez, L.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Molecules and Machine Learning Integration Utilizing AutoML*. Poster Presentation, Georgia Gwinnett College CREATE Symposium, April 2019.
- Anderson, J.*; Smith, R.*; Shaik, A.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Shared Augmented Reality (AR) Experience of 3D Molecules for Chemistry Students*. Poster Presentation, Georgia Gwinnett College CREATE Symposium, April 2019.
- Doghaimat, D.*; Tyner, N.*; Patel, S.*; Vazquez, L.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Molecules and Machine Learning Integration Utilizing AutoML*. Poster Presentation, Georgia Gwinnett College School of Science and Technology STaRS, April 2019. (2nd Place Poster Contest)
- Anderson, J.*; Smith, R.*; Shaik, A.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Shared Augmented Reality (AR) Experience of 3D Molecules for Chemistry Students*. Poster Presentation, Georgia Gwinnett College School of Science and Technology STaRS, April 2019. (1st Place Poster Contest)
- Doghaimat, D.*; Tyner, N.*; Patel, S.*; Vazquez, L.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Molecules and Machine Learning Integration Utilizing AutoML*. Poster Presentation, Consortium for Computer Sciences in Colleges Central Plains Conference, April 2019. (2nd Place Research Contest)
- Anderson, J.*; Smith, R.*; Shaik, A.*; Behmke, D.A.; Lutz, R.; Brannock, E. *Shared Augmented Reality (AR) Experience of 3D Molecules for Chemistry Students*. Poster Presentation, Consortium for Computer Sciences in Colleges Central Plains Conference, April 2019. (2nd Place Research Contest)
- Paredes, J.E.B.; Behmke, D.A.; Pennington, R.; Kerven, D.; Lutz, R.; Brannock, E. *Interdisciplinary Exploration of Augmented Reality to Enhance Student Learning in Organic Synthesis*. Oral Presentation, American Chemical Society National Meeting, Orlando, FL, March 2019.
- Behmke, D.A.; Kerven, D.; Lutz, R.; Brannock, E.; Paredes, J.E.B.; Doghaimat, D.*; Tyner, N.*; Maldonado, C.*; Anderson, J.*; Moses, T.* *Molecules and Machine Learning: Images Classified by ML Used as Input to an Augmented Reality App for Chemistry Education*. Poster Presentation, American Chemical Society National Meeting, Orlando, FL, March 2019.
- Doghaimat, D.*; Tyner, N.*; Maldonado, C.*; Anderson, J.*; Moses, T.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Brannock, E. *Molecules and Machine Learning: Images Classified by ML Used as Input to a AR and MR App for Chemistry Education*. Poster Presentation, Georgia Gwinnett College CREATE Symposium, November 2018.
- Doghaimat, D.*; Tyner, N.*; Maldonado, C.*; Anderson, J.*; Moses, T.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Brannock, E. *Molecules and Machine Learning: Images Classified by ML Used as Input to a AR and MR App for Chemistry Education*. Poster and Oral Presentation, Consortium for Computing Sciences in Colleges Southeast Conference, November 2018. (2nd Place Research Contest)
- Bailey, J.*; Westervelt, R.*; White, M.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Paredes, J.E.B; Pennington, R. *The Same World: Education Through Shared Augmented Reality Experiences*. Poster Presentation, Georgia Gwinnet College CREATE Symposium, April 2018.
- Bailey, J.*; Westervelt, R.*; White, M.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Paredes, J.E.B; Pennington, R. *The Same World: Education Through Shared Augmented Reality Experiences*. Poster Presentation, Georgia Gwinnet College STaRS, April 2018.
- Bailey, J.*; Westervelt, R.*; White, M.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Paredes, J.E.B; Pennington, R. *The Same World: Education Through Shared Augmented Reality Experiences*. Poster Presentation, Consortium of Computer Science in Colleges Central Plains Regional Meeting, April 2018. (Honorable Mention Research Contest)

- Camp, M.*; Golovan, A.*; Hagerty, D.*; Sok., J.*; Windham., C.*; Yeap, B.*; Brannock, E.; Lutz, R. MR. Mol: Mixed Reality Molecule, poster presented at Georgia Gwinnett College Science, Technology and Research Showcase (STaRS), April 10, 2018.
- Camp, M.*; Golovan, A.*; Hagerty, D.*; Sok., J.*; Windham., C.*; Yeap, B.*; Brannock, E.; Lutz, R. MR. Mol: Mixed Reality Molecule, Georgia Gwinnett College CREATE Symposium, April 26, 2018.
- Camp, M.*; Golovan, A.*; Hagerty, D.*; Sok., J.*; Windham., C.*; Yeap, B.*, MR. Mol: Mixed Reality Molecule, Consortium for Computing Science in Colleges: Central Plains Conference, (CC, SC:CP 2018), Maryville, MO, April 6-7, 2018. (3rd Place Research Contest)
- Behmke, D.; Kerven, D.; Lutz, R.; Paredes, J.; Pennington, R.; Brannock, E.; Deiters, M.*; Rose, J.*; Stevens, K.* *Augmented Reality Chemistry: Transforming 2-D Molecular Representations into Interactive 3-D Structures*. Oral Presentation, Interdisciplinary STEM Teaching and Learning Conference, March 2018.
- Alexander, R.*; Camp, M.*; Garcia, P.*; Golovan, A.*; Piazza, J.*; Rosbury, G.*; Brannock, E.; Lutz, R. MR. Mol: Mixed Reality Molecule, Georgia Gwinnett College CREATE Symposium, November 2017
- Alexander, R.*; Camp, M.*; Garcia, P.*; Golovan, A.*; Piazza, J.*; Rosbury, G.* MR. Mol: Mixed Reality Molecules. Consortium for Computing Sciences in Colleges Southeast Conference, November 2017. (1st Place Research Contest)
- Dieters, M.*; Stevens, K.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Paredes, J.E.B; Pennington, R. *Visualizing Molecules Using Augmented Reality*. Poster and Oral Presentation, Consortium on Computer Science in Colleges Southeast Regional Meeting, November 2017. (2nd Place Research Contest)
- Deiters, M.*; Behmke, D.A.; Kerven, D.; Lutz, R.; Medina, S.*; Paredes, J.E.B; Pennington, R.; Rose, J.* *Augmented Reality Chemistry: The Use of Augmented Reality to Generate 3-D Molecular Models for 2-D Representations*. Oral Presentation, Leadership Gwinnett, April 2017
- Behmke, D.A.; Deiters, M.*; Kerven, D.; Lutz, R.; Medina, S.*; Paredes, J.E.B; Pennington, R.; Rose, J.* *Augmented Reality Chemistry: The Use of Augmented Reality to Generate 3-D Molecular Models for 2-D Representations*. Oral Presentation, American Chemical Society National Meeting, April 2017.
- Behmke, D.A.; Kerven, D.; Paredes, J.; Pennington, R.; Lutz, R.; and Rose, J.* *Augmented Reality (Aurasma) Chemistry*. Oral Presentation, Spring 2016 Georgia Gwinnett College STEM Symposium, May 2016.
- Rose, J.*; Behmke, D.A.; Kerven, D.; Paredes, J.; Pennington, R.; and Lutz, R. *Augmented Reality Chemistry*. Oral Presentation, Spring 2016 Georgia Gwinnett College CREATE Symposium, April 2016.
- Barker, J.; Pennington, R.; Kerven, D.; Lutz, R.; Behmke, D. "Linking Video Solutions Using Aurasma to Enhance Critical Problem Solving in Organic Chemistry," Poster Presentation, GGC Teaching & Learning Day, Georgia Gwinnett College, March 18, 2016.
- Barker, J.; Pennington, R.; Kerven, D.; Lutz, R.; Behmke, D. "Aurasma Chemistry," Poster Presentation, GGC Teaching & Learning Day, Georgia Gwinnett College, March 18, 2016.

