TEXAS STATE VITA

I. Academic/Professional Background

A. Name and Title

Name: Dr. Suho Oh Title: Program Faculty

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PHD	2011	Massachusetts Institute of Tech	Mathematics	
BS	2004	Korea Advanced Inst of Sci &Tech	Mathematics	

C. University Experience

Position	*University*	*Comments*	*Dates*
Associate Professor, Mathematics	Texas State University. San Marcos, TX, United States		August 1, 2020 - Present
Assistant Professor, Mathematics	Texas State University. San Marcos, TX, United States		August 2014 - August 1, 2020
Hildebrandt Postdoc Assistant Professor	University of Michigan		2011 - 2014

II. TEACHING

B. Courses Taught:

Texas State University:

MATH 2358 - DISCRETE MATH I

MATH 2358 - DISCRETE MATHEMATICS I

MATH 2393 - CALCULUS III

MATH 2471 - CALCULUS I

MATH 3323 - DIFFEREN EQUAT

MATH 3377 - LINEAR ALGEBRA

MATH 3398 - DISCRETE MATH II

MATH 3398 - DISCRETE MATHEMATICS II

MATH 4336 - STUDIES APPL MATH

MATH 4350 - COMBINATORICS

MATH 5199B - THESIS

MATH 5307 - MODERN ALGEBRA

MATH 5350 - COMBINATORICS

MATH 5355 - APP & ALGORITHMIC GRAPH THEORY

MATH 5355 - APPLD GRAPH THEORY

MATH 5358 - APPLIED DISCR MATH

MATH 5388 - DISCRETE MATH

MATH 5399A - THESIS

MATH 5399B - THESIS

MATH 5999B - THESIS

MATH 7307 - ALGEBRA I

MATH 7317 - ALGEBRA II

MATH 7321 - GRAPH THEORY

MATH 7331 - COMBINATORICS

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):

Supervisor / Chair, Dissertation, "Necklaces and slimes in chip firing", Status: Completed. (February 2020 - April 2021).
Student(s): Jina Park.

Supervisor / Chair, Dissertation, "Palindromic intervals in Coxeter groups", Status: Completed. (February 2017 - April 2018).
Student(s): Robert Mcalmon, Graduate.

F. Other:

Student Accomplishments:

Presentation:

Mentor, FPSAC poster presentation. "On z-superstable and critical configurations of chip firing pairs," Sapporo, Japan. Status: Completed. (July 22, 2025).
Student(s): Zach Benton.

Mentor, Combinatexas talk presentation. "On z-superstable and critical configurations of chip firing pairs," Combinatexas, College station, Texas. Status: Completed. (March 28, 2025).
Student(s): Mckinley Xie, Undergraduate.

Mentor, JMM student poster. "Chip firing and duality extended," JMM. Status: Completed. (January 1, 2025).
Student(s): Zachary Benton.

Mentor, JMM student poster. "Demazure product and hopping in type D," JMM. Status: Completed. (January 1, 2025).
Student(s): Jerry Zhang.

Mentor, JMM student poster. "Chip firing on hypergraphs," JMM. Status: Completed. (January 1, 2024).
Student(s): Timothy Blanton.

Mentor, JMM student poster. "Demazure product of permutations and hopping," JMM. Status: Completed. (January 1, 2024).
Student(s): Tina Li.

Mentor, JMM student poster. "Chip-firing and critical groups of signed graph," JMM. Status: Completed. (January 1, 2023).
Student(s): Ryota Inagaki.

Mentor, JMM student poster. "The h-vector of a Positroid is a pure O-sequence.," JMM. Status: Completed. (January 1, 2023).
Student(s): Ami He, Undergraduate.

Mentor, Combinatexas talk presentation. "Tableau stabilization and lattice paths," Combinatexas, College station, Texas. Status: Completed. (March 25, 2022).
Student(s): Christopher Wu, Undergraduate.

Mentor, FPSAC poster. "Tableau stabilization and lattice paths," FPSAC 2022, Israel. Status: Completed. (January 12, 2022).
Student(s): Jacob David, Undergraduate.

Mentor, JMM student poster. "Completing and extending shellings of vertex decomposable complexes," JMM. Status: Completed. (January 1, 2022).
Student(s): Michaela Coleman, Graduate.

Mentor, JMM student poster. "Tableaux Stabilization and Lattice Paths," JMM. Status: Completed. (January 1, 2022).
Student(s): David Jacob, Undergraduate.

Mentor, FPSAC talk presentation. "Completing and extending shellings of vertex decomposable complexes," FPSAC 2021, Israel. Status: Completed. (January 12, 2021).
Student(s): Nathan Geist, Undergraduate.

Mentor, JMM student Poster. "Biconed Graphs, edge rooted forests, and h-vectors of matroid complexes," JMM. Status: Completed. (January 1, 2021).
Student(s): Preston Cranford, Graduate.

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press):

1. Books:

d. Chapters in Books:

Refereed:

Oh, S., & Richmond, E. (2026). BP-decomposition and its applications. In *Handbook of combinatorial algebraic geometry: Subvarieties of the flag variety*.

2. Articles:

a. Refereed Journal Articles:

Han, D., Huang, M., Keller, B., Oh, S., & Zhang, J. (Accepted / In Press). Demazure product and hopping in type D. *Journal of Combinatorics*.

Blanton, T., Dochtermann, A. M., Hong, I., Oh, S., & Zhan, Z. (Accepted / In Press). Parking functions and chip-firing on hypergraphs. *Combinatorial Theory*.

Benton, Z., Kwak, J., Oh, S., Torres, M., & Xie, M. (2026). On z-Superstable and Critical Configurations of Chip Firing Pairs. *Discrete Mathematics*, *349*, 115324.

Bhandari, B., Cunningham, D. K., Morrell, G., Oh, S., & Smith, P. (2025). Gap between the number of facets of the two poset polytopes. *Annals of Combinatorics*. Published.

Cho, M., Dochtermann, A. M., Inagaki, R., Oh, S., Snustad, D., & Zacovic, B. (2025). Chip-firing and critical groups of signed graphs. *SIAM Journal on Discrete Mathematics*, *39*(2).
ChipSigned-1.pdf

Li, T., Oh, S., Richmond, E., Yan, G., & You, K. (2024). Demazure product of permutations and hopping. *Electronic Journal of Combinatorics*, *31*(1), 1.48.

Oh, S., He, A., & Lai, P. (2023). The h-vector of a Positroid is a pure O-sequence. *European Journal of Combinatorics*, *110*. Published.

Oh, S., & Xiang, D. (2022). The facets of the matroid polytope and the independent set polytope of a positroid. *Journal of Combinatorics*. Published. Retrieved from https://arxiv.org/abs/1701.08483
https://arxiv.org/abs/1701.08483
onlyflat005-arxiv-1.tex

Coleman, M., Dochtermann, A. M., Geist, N., & Oh, S. (2022). Completing and extending shellings of vertex decomposable complexes. *SIAM Journal of Discrete Mathematics*, *36*(2), 1291–1305.
Completing_SIAM-1.pdf

Ahlbach, C. T., Oh, S., David, J., & Wu, C. (2022). Tableaux Stabilization and Lattice Paths. *Journal of Combinatorics*, *13*(1), 105–134. Retrieved from https://www.intlpress.com/site/pub/pages/journals/items/joc/content/vols/0013/0001/a005/index.php
https://www.intlpress.com/site/pub/pages/journals/items/joc/content/vols/0013/0001/a005/index.php
Tableau_Stabilization_and_Lattice_paths-1.pdf

Cranford, P., Dochtermann, A. M., Haithcock, E., Marsh, J., Oh, S., & Truman, A. (2021). Biconed Graphs, edge rooted forests, and h-vectors of matroid complexes. *Electronic Journal of Combinatorics*, *28*(4).
Biconed graphs_arXiv-1.pdf
Additional Comments: Accepted pending minor revisions.

Oh, S., & Park, J. (2020). Necklaces and Slimes. *Discrete Mathematics*. Published.
neck-v005-1.pdf

Additional Comments: Accepted upon revision 6/10

Oh, S., & McAlmon, R. (2020). The rank function of a positroid and non-crossing partitions. *Electronic Journal of Combinatorics*. Published.

Additional Comments: Draft available at https://arxiv.org/abs/1709.01580. Rejected from Journal of Combinatorial Theory A in October of 2018, resubmitted to Electornic journal of combinatorics. Accepted upon revision : revision submitted 5/15.

Oh, S. (2019). Semi-Polytope Decomposition of a Generalized Permutohedron. *Discrete Mathematics Letters*, *2*, 1 – 5.
semi-v03-1.pdf

Oh, S., & Curtin, E. (2019). A Combinatorial Problem from Group Theory. *The Australasian Journal of Combinatorics*, *75*, 309–315. Retrieved from https://arxiv.org/abs/1701.08480 https://arxiv.org/abs/1701.08480
eugene-1.pdf
J211-report1-1.pdf
J211-report2-1.pdf
Additional Comments: Got a reply back from the editor on 1/16 that the paper was recommended for publication upon some revisions.

Oh, S., & Speyer, D. (2017). Links in the complex of weakly separated collections. *Journal of Combinatorics*. Published.
linkCompJOC-ttt-1.pdf
Additional Comments: Will appear sometime in 2017.

Kim, J. S., & Oh, S. (2017). The Selberg integral and Young books. *Journal of Combinatorial Theory, Series A*, *145*, 1–24. https://doi.org/http://dx.doi.org/10.1016/j.jcta.2016.07.005 https://doi.org/10.1016/j.jcta.2016.07.005

Oh, S. (2016). Chambers of wiring diagrams. *Discrete Mathematics*, *339*(10), 2511 – 2514. https://doi.org/http://dx.doi.org/10.1016/j.disc.2016.01.019 //www.sciencedirect.com/science/article/pii/S0012365X16000297

Chen, X., Shang, C., Wong, B., Li, W., & Oh, S. (2016). Efficient Multicast Algorithms in Opportunistic Mobile Social Networks using Community and Social Features. *Computer Networks*, *111*, 71 – 81. https://doi.org/http://dx.doi.org/10.1016/j.comnet.2016.07.007 //www.sciencedirect.com/science/article/pii/S1389128616302341

Oh, S., Postnikov, A., & Speyer, D. (2015). Weak separation and plabic graphs. *Proceedings of London Mathematical Society*, *110*(3), 721–754.

Oh, S. (2013). Generalized permutohedra, h-vector of cotransversal matroids and pure O-sequences. *Electron. J. Combin*, *20*(3).

Oh, S., Yoo, H., & Yun, T. (2013). Rainbow graphs and switching classes. *SIAM J. Discrete Math*, *27*(2), 1106–1111.

Oh, S. (2011). Positroids and Schubert Matroids. *J. Combin. Theory Ser. A*, *118*(8), 2426–2435.

Oh, S., Postnikov, A., & Yoo, H. (2008). Bruhat order, smooth Schubert varieties, and hyperplane arrangements. *J. Combin. Theory Ser. A*, *115*(7), 1156–1166.

3. Conference Proceedings:

a. Refereed Conference Proceedings:

Blanton, T., Dochtermann, A. M., Hong, I., Oh, S., & Zhan, Z. (Accepted / In Press). Parking functions and chip-firing on hypergraphs. In *Séminaire Lotharingien de Combinatoire*. Vienna, Austria: Universität Wien.

Oh, S., & Speyer, D. (2016). Links in the complex of weakly separated collections (Extended Abstract). In *FPSAC 2016 Proceedings* (p. 971). DMTCS. Retrieved from https://fpsac2016.sciencesconf.org/114350 https://fpsac2016.sciencesconf.org/114350
final_70-1.pdf
Additional Comments: Conference paper for FPSAC 2016 Poster.

Benton, Z., Kwak, J., Oh, S., Torres, M., & Xie, M. (2025). On z-superstable and critical configurations of chip-firing pairs. In *Séminaire Lotharingien de Combinatoire* (Vol. 93B). Vienna, Austria: Universität Wien.

Coleman, M., Dochtermann, A. M., Geist, N., & Oh, S. (2021). Completing and extending shellings of vertex decomposable complexes (extended abstract). In *DMTCS Proceedings*.
Completing_FPSAC-1.pdf

Ahlbach, C. T., Oh, S., David, J., & Wu, C. (2021). Tableaux Stabilization and Lattice Paths (extended abstract). In *Discrete Mathematics & Theoretical Computer Science Proceedings*. Retrieved from https://arxiv.org/pdf/2009.02644.pdf https://arxiv.org/pdf/2009.02644.pdf

Oh, S., McAlmon, R., & Xiang, D. (2019). Flats of a positroid from its decorated permutation (Extended abstract).
fpsac19-v05-1.pdf

Oh, S., Shang, C., Wong, B., Chen, X., & Li, W. (2015). Community and Social Feature-based Multicast in Opportunistic Mobile Social Networks ,. In *ICCCN 2015*.

Oh, S., & Yoo, H. (2015). Matching ensembles. In *Discrete Math. Theor. Comput. Sci. Proc.* Discrete Math. Theor. Comput. Sci.

Oh, S., Postnikov, A., & Croitoru, D. (2013). Poset vectors and Generalized permutohedra. In *Discrete Math. Theor. Comput. Sci. Proc.* (pp. 717–728). Discrete Math. Theor. Comput. Sci.

Oh, S., & Yoo, H. (2011). Triangulations of product of simplices and tropical oriented matroids. Assoc. Discrete Math. Theor. Comput. Sci.

Additional Comments: pages 717–728

Oh, S., & Yoo, H. (2010). Bruhat order, rationally smooth Schubert varieties, and hyperplane arrangements (pp. 965–972). Assoc.Discrete Math. Theor. Comput. Sci.

Oh, S. (2009). Combinatorics of positroids (pp. 721–732). Assoc. Discrete Math. Theor. Comput. Sci.

B. Works Not in Print:

2. Invited Talks, Lectures, and Presentations:

Oh, S., Meeting in Coxeter groups and representation theory, "Demazure product and hopping combinatorics," AMS, University of Kansas, Lawrence, KS, United States. (March 30, 2025).

Oh, S., SLAM 2025, "Chip-firing on signed graphs and beyond," Arizona State University, Temple, AZ, United States. (March 1, 2025).

Oh, S., Algebra and representation theory Seminar, "Demazure product and Coxeter groups," Oklahoma state university, Oklahoma state university, Stillwater, OK, United States. (March 30, 2023).

Oh, S., Field matroid seminar, "Extending shellable complexes," Fields institute, Fields institute, Toronto, Canada. (March 30, 2023).

Oh, S., P-positivity in Matroid Theory and related Topics, "Positroid h-vector and its properties," RIMS, Kyoto, Japan. (October 7, 2021).

Oh, S., UCLA Combinatorics seminar, "Extending shellings of simplicial complexes," UCLA, UCLA, Los Angeles, CA, United States. (September 30, 2021).

Oh, S., Combinatexas 2019, "H-vectors of small gammoids," Texas A&M. (March 23, 2019).

Oh, S., CombinaTexas 2018, "Rank function of positroids and non-crossing partitions," Texas A&M University. (February 11, 2018).

Oh, S., KSEA meeting, "40 year old conjecture," Korean-American Scientists & Engineers Association, UT Austin. (February 2, 2018).

Oh, S., UT Austin algebra seminar, "Associahedra and mixed volumes," UT Austin, Austin, TX. (March 2016).

Oh, S., Combinatexas, "Combinatorics coming from group theory," Texas A&M University, College station, TX. (March 2016).

Oh, S., NIMS, "Associahedra and Posets," Daejon, South Korea. (August 2015).

Oh, S., Combinatorics seminar, "Separation and tiling," York University, Toronto, Canada. (November 2014).

Oh, S., KAIST, "Fun with wires," Daejon, South Korea. (August 2014).

Oh, S., KIAS, "Fun with wires," Seoul, South Korea. (August 2014).

Oh, S., Michigan Combinatorics Workshop, "Fun with wires," Kalamazoo, MI. (February 2014).

Oh, S., Combinatorics seminar, "Posets and polytopes," University of Michigan. (October 2013).

Oh, S., KIAS, "Triangulatons and matchings," Seoul, South Korea. (August 2013).

Oh, S., AMS Meeting, "Triangulations of produt of simplices," Honolulu, HI. (April 2012).

Oh, S., Combinatorics seminar, "Triangulations and polytopes," University of Michigan. (March 2012).

Oh, S., Combinatorics seminar, "Total positivity and planar graphs," Georgia Tech. (December 2011).

Oh, S., Combinatorics seminar, "Total positivty of the Grassmannian," Wayne State University. (October 2011).

Oh, S., Formal Power Series and Algebraic Combinatorics, "Generalized permutohedra, h-vector of cotransversal matroids and pure O-sequences," Reykjavik, Iceland. (June 2011).

Oh, S., Combinatorics Seminar, "Total positivty of the Grassmannian," UC Berkeley. (April 2011).

Oh, S., AMS Meeting, "Generalized permutohedra, h-vector of cotransversal matroids and pure O-sequences," Notre Dame, IN. (November 2010).

Oh, S., Instituto de Matem´aticas, "Bruhat order and hyperplane arrangements," Oaxaca, Mexico. (August 2010).

Oh, S., Combinatorics seminar, "Weakly separated sets and the purity conjecture," UIUC. (April 2010).

Oh, S., AMS-KMS Meeting, "Weakly separated sets and the purity conjecture," Seoul, South Korea. (January 2010).

Oh, S., MSJ-SI on Arrangements of Hyperplanes, "Bruhat order and hyperplane arrangements," Osaka, Japan. (August 2009).

5. Other Works not in Print:

a. Works "submitted" or "under review":

Conference Proceedings:

Oh, S., & Richmond, E. (Submitted / Under Review). Core decompositions of Bruhat intervals. In *Séminaire Lotharingien de Combinatoire*. Vienna, Austria: Universität Wien. (November 10, 2025)

Ghosal, R., Han, M., Keller, B., Kerr, S., Liu, J., Oh, S., … Wang, C. (Submitted / Under Review). Extendability of 1-decomposable complexes. In *Séminaire Lotharingien de Combinatoire*. Vienna, Austria: Universität Wien. (November 10, 2025)

Dochtermann, A. M., Huang, E., Mawhinney, K., Oh, S., & Xu, Y. (Submitted / Under Review). On cycle systems of matroids. In *Séminaire Lotharingien de Combinatoire*. Vienna, Austria: Universität Wien. (November 10, 2025)

Journal Articles:

Ghosal, R., Han, M., Keller, B., Kerr, S., Liu, J., Oh, S., … Wang, C. (Submitted / Under Review). Extendability of 1-decomposable complexes. *The Australasian Journal of Combinatorics*. (July 10, 2026)

Oh, S. (Submitted / Under Review). Permutation ensembles and acyclicity on product of simplices. *Electronic Journal of Combinatorics*. (May 15, 2025)

b. Works "in progress":

Journal Articles:

Oh, S., David, J., Lai, P., & Wu, C. (In Preparation; Not Yet Submitted). Triconed Graphs, weighted forests, and h-vectors of matroid complexes. *Discrete Mathematics*. (September 8, 2024)

Oh, S., & Richmond, E. (In Preparation; Not Yet Submitted). The parabolic coset structure of Bruhat intervals in Coxeter groups.

c. Other Works Not in Print:

Posters:

Oh, S., Formal Power Series and Algebraic Combinatorics 2019, "Rank function of Positroids and non-crossing partitions," Ljubljana, Slovenia. (July 4, 2019).

Oh, S., Formal Power Series and Algebraic Combinatorics, "Matching Ensembles and applications," Daejon, South Korea. (July 2015).

Oh, S., Formal Power Series and Algebraic Combinatorics, "Selberg integrals and Young diagrams," Chicago, United States. (July 2014).

Oh, S., Formal Power Series and Algebraic Combinatorics, "Poset vectors and generalized permutohedra," Paris, France. (June 2013).

Oh, S., Bruhat order, rationally smooth Schubert varieties, and hyperplane arrangements, "Formal Power Series and Algebraic Combinatorics," San Francisco, CA. (August 2010).

Oh, S., Formal Power Series and Algebraic Combinatorics, "Combinatorics of positroids," Hagenburg, Austria. (July 2009).

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

Yang, Yong (Principal), Keller, Thomas M (Co-Principal), Sun, Shuying (Supporting), Dochtermann, Anton (Supporting), Oh, Suho (Supporting), Shen, Xiaoxi (Supporting), Xiao, Jun (Supporting). NSF REU Site: Algebra, Combinatorics, and Statistics (#: 2447229), NSF, Federal, $271,568.00. (Submitted: August 2024, Funded: April 1, 2025 - March 28, 2028). Grant.

Yang, Yong (Principal), Keller, Thomas M (Co-Principal), Sun, Shuying (Supporting), Zhao, Qiang (Supporting), Dochtermann, Anton (Supporting), Oh, Suho (Supporting). NSF REU Site: Algebra, Combinatorics, and Statistics (#: 2150205), NSF, Federal, $305,417.00. (Submitted: August 2021, Funded: March 1, 2022 - February 28, 2026). Grant.

2. Submitted, but not Funded, External Grants and Contracts:

Oh, Suho. Simons Travel support for Mathematicians, Simons, Private / Foundation / Corporate, $42,000.00. (Submitted: January 29, 2025, Funded: September 1, 2025 - August 30, 2030). Grant.

Oh, Suho. Combinatorics of pattern avoidance, NSF, Federal, $171,703.00. (Submitted: September 23, 2025, Funded: September 1, 2026 - August 30, 2029). Grant.

Oh, Suho. NSF research, NSF, Federal, $114,269.00. (Submitted: September 27, 2024, Funded: September 1, 2025 - August 30, 2028). Grant.

Oh, Suho. NSF research, NSF, Federal, $114,269.00. (Submitted: September 27, 2023, Funded: September 1, 2024 - August 30, 2027). Grant.

Oh, Suho. NSF research, NSF, Federal, $126,037.00. (Submitted: September 27, 2022, Funded: September 1, 2023 - August 30, 2026). Grant.

Oh, Suho. NSF research, NSF, Federal, $116,701.00. (Submitted: September 27, 2021, Funded: September 1, 2022 - August 30, 2025). Grant.

Oh, Suho. NSF research 2019, $143,737.00. (Submitted: September 24, 2019, Funded: September 1, 2020 - April 30, 2023). Grant.

Oh, Suho. NSF career 2018, $669,073.00. (Submitted: July 2018). Grant.

Oh, Suho. NSF Research 2017, NSF, Federal, $100,130.00. (Submitted: August 2017). Grant.

3. Funded Internal Grants and Contracts:

Oh, Suho. REP 2016, Texas State University, $6,000.00. (Funded: June 2016 - September 2016). Grant.

4. Submitted, but not Funded, Internal Grants and Contracts:

Oh, Suho. REP 2019, $6,000.00. (Submitted: October 4, 2019, Funded: June 1, 2020 - July 30, 2020). Grant.

Oh, Suho. REP 2018, Texas State University, $16,000.00. (Submitted: September 2017). Grant.

E. Scholarly / Creative Professional Development Activities Attended:

Conference Attendance, "ALCOVE." (May 29, 2025).

Conference Attendance, "Meeting in Coxeter groups and representation theory," AMS. (March 30, 2025).

Conference Attendance, "SLAM." (March 1, 2025).

Seminar, "Combinatorics Seminar," Field Institute. (March 30, 2023).

Seminar, "Combinatorics Seminar," Oklahoma State University. (March 30, 2023).

Conference Attendance, "FPSAC." (July 18, 2022 - July 22, 2022).

Workshop, "P-positivity in Matroid Theory and related Topics," RIMS. (October 2, 2021 - October 7, 2021).

Seminar, "Combinatorics Seminar," UCLA. (September 30, 2021).

Conference Attendance, "ALCOVE." (June 15, 2021 - June 17, 2021).

Conference Attendance, "FPSAC." (July 4, 2020 - July 13, 2020).

Conference Attendance, "ALCOVE." (June 13, 2020 - June 16, 2020).

IV. SERVICE

A. Institutional

3. Department/School:

Chair, Award Committee. (January 15, 2023 - Present).

Organizer, Algebraic combinatorics reading group. (September 2016 - Present).
Additional Comments: With Anton.

Member, Hiring Committee. (August 1, 2024 - February 1, 2025).

Chair, Lecturer Review Committee. (March 2022 - May 31, 2024).

Member, Curriculum Committee. (September 1, 2021 - August 15, 2023).

Member, Award Committee. (September 2019 - January 15, 2023).

Member, Hiring Committee. (September 2021 - June 2022).

Member, Lecturer review Committee. (November 1, 2020 - January 2022).

NSF REU in Algebra, Combinatorics and Statistics. (June 2019 - August 2021).

Additional Comments: Mentor

Member, Colloquium Committee. (September 2014 - May 2019).

Additional Comments: Got Kyungyong to come here on September 2018 to give a talk on cluster algebras.

B. Professional:

Reviewer / Referee, Electronic Journal of Combinatorics. (October 8, 2025 - Present).

Reviewer / Referee, Annals of Combinatorics. (September 1, 2025 - Present).

Reviewer / Referee, Advances in Applied Mathematics. (February 2, 2024 - July 2, 2026).

Reviewer / Referee, European Journal of Combinatorics. (January 1, 2024 - June 17, 2026).

Reviewer / Referee, Combinatorial Theory. (November 10, 2024 - February 1, 2026).

Reviewer / Referee, Journal of combinatorial theory series A. (January 2016 - January 2026).

Reviewer / Referee, FPSAC. (December 1, 2024 - January 1, 2026).

Reviewer / Referee, Electronic Journal of combinatorics. (September 23, 2024 - January 10, 2025).

Reviewer / Referee, Enumerative Combinatorics and applications. (August 1, 2024 - January 1, 2025).

Reviewer / Referee, Electronic Journal of Combinatorics. (April 26, 2024 - November 25, 2024).

Reviewer / Referee, Combinatorial Theory. (April 9, 2024 - July 1, 2024).

Reviewer / Referee, European Journal of Combinatorics. (July 1, 2023 - January 9, 2024).

Reviewer / Referee, European Journal of Combinatorics. (June 1, 2023 - January 1, 2024).

Reviewer / Referee, FPSAC. (December 1, 2017 - December 31, 2023).

Reviewer / Referee, Journal of Combinatorial Theory. (January 1, 2022 - November 1, 2022).

Reviewer / Referee, Electronic Journal of Combinatorics. (December 20, 2020 - December 2021).

Reviewer / Referee, Discrete Mathematics. (January 1, 2019 - July 2021).

Reviewer / Referee, Advances in Mathematics. (November 10, 2017 - June 2021).

Reviewer / Referee, Journal of Algebraic Combinatorics. (November 1, 2019 - February 2021).

Reviewer / Referee, Journal of Combinatorics. (September 2019 - December 2020).

Reviewer / Referee, Selecta Mathematica. (January 2017 - December 2020).

Coordinator / Organizer, AMS sectional meeting. (September 2017 - October 2017).

Additional Comments: With Anton.

Reviewer / Referee, Anals of Combinatorics. (August 2016 - January 2017).

Reviewer / Referee, Algebras and Representation Theory. (July 2016 - January 2017).

C. Community:

Member, Honors Summer Math Camp Mentor. (June 1, 2025 - August 30, 2025).

Member, Honors Summer Math Camp Mentor. (June 1, 2024 - August 30, 2024).

Member, Honors Summer Math Camp Mentor. (June 1, 2023 - August 30, 2023).

Member, Honors Summer Math Camp Mentor. (June 1, 2022 - August 30, 2022).

Member, Honors Summer Math Camp Mentor. (June 1, 2021 - August 30, 2021).

Mentor, Honors Summer Math Camp, San Marcos, TX. (June 1, 2020 - August 30, 2020).

Mentor, Honors Summer Math Camp, San Marcos, TX. (June 1, 2018 - August 30, 2018).

Mentor, Honors Summer Math Camp, San Marcos, TX. (June 2017 - August 2017).

Mentor, Honors Summer Math Camp, San Marcos, TX. (June 2016 - August 2016).

Additional Comments: Mentored 3 high school students for research. Got stuck at the end, ran into a gap we couldn't fix. Continued working with one of the students through the last few months, and came up with a paper solving that gap. (Flats of positroids). Using this, we will be able to tackle that problem again.

Mentor, Honors Summer Math Camp, San Marcos, TX. (June 15, 2015 - August 15, 2015).