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ACADEMIC POSITIONS	Assistant Professor Department of Mathematics Grand Valley State University, Allendale, Michigan	August 2014 – present
	Assistant Professor (MathCEP Postdoc) School of Mathematics Center for Educational Programs (MathCEP) University of Minnesota, Minneapolis, Minnesota <i>Taught and developed curriculum for the University of Minnesota Talented Youth Mathematics Program (UMTYMP), an accelerated Calculus sequence for talented high school students. Additionally, advised undergraduate research and organized enrichment programs.</i>	August 2012 – June 2014
EDUCATION	Ph.D., Mathematics Michigan Technological University, Houghton, Michigan Dissertation: <i>Applications of finite geometries to designs and codes</i> Advisor: Dr. Vladimir D. Tonchev	December 2011
	M. Mathematics University of Waterloo, Waterloo, Ontario Thesis: <i>Algebraic analysis of vertex-distinguishing edge-colorings</i> Advisors: Dr. Ian P. Goulden and Dr. R. Bruce Richter	April 2006
	B.S., Mathematics , Summa cum Laude Michigan Technological University, Houghton, Michigan	May 2004
TEACHING EXPERIENCE	Grand Valley State University , Allendale, Michigan	
	<ul style="list-style-type: none"> • <i>MTH 123: Trigonometry</i> 1 semester • <i>MTH 201: Calculus I</i> 4 semesters • <i>MTH 202: Calculus II</i> 1 semester • <i>MTH 210: Communicating in Mathematics</i> 2 semesters • <i>MTH 315 (prev. MTH 345): Discrete Mathematics</i> 1 semester • <i>MTH 331 (prev. MTH 341): Euclidean Geometry</i> 3 semesters 	
	University of Minnesota , Minneapolis, Minnesota	
	Autonomous instructor for 3 department classes as well as 8 UMTYMP classes.	
	Michigan Technological University , Houghton, Michigan	
	Autonomous Graduate Teaching Instructor for 17 sections in various upper- and lower-division courses.	

UNDER-
GRADUATE
RESEARCH
SUPERVISED

Research projects

- S. Mancini, J. Van Hook: *Anti-Games on Projective Steiner Triple Systems*. GVSU REU (Summer 2017). Presented at Mathfest 2017 (award winner for best undergraduate presentation).
- L. Czap*: *Guessing Games with Cost Functions*. Student Summer Scholars project funded by internal grant (Summer 2015). Continued as Honors Senior Thesis (Winter 2016), JMM Undergraduate Poster presentation (Winter 2016), Student Scholars Day Poster (Winter 2016), Michigan MAA sectional presentation (Spring 2016, award winner for best undergraduate presentation).

* Indicates a GVSU student

Independent studies and readings

- *Guessing Games and Sage*. Independent Study (1 student). Winter 2017.
- *Guessing Games with two secret numbers*. Independent Study (4 students) co-taught with Lauren Keough. Fall 2016.
- *Guess a Number – With Lying*. Independent paper-reading group (3 students). Winter 2016.
- *Guessing Games*. Independent Study (5 students) co-taught with Feryal Alayont and Brian Drake. Fall 2014.

REFEREED
PUBLICATIONS

Peer-reviewed publications

- D. Clark, S. Mancini, J. Van Hook: *Anti-Games on Projective Steiner Triple Systems*. In preparation.
- D. Clark, L. Czap*: *Minimizing the Cost of Guessing Games*. Submitted to [American Journal of Undergraduate Research](#) (May 2016).
- D. Clark, G. Fisk*, and N. Goren*: *A variation on the game SET*. *Involve* 9 (2) (2016), 249–264. DOI: [10.2140/involve.2016.9.249](https://doi.org/10.2140/involve.2016.9.249)

* Indicates an undergraduate co-author.

Books

J. Butterfield, D. Clark, J. Rogness, D. Schultheis: *Adventures in Mathematics*. Sample chapters containing enrichment activities for K-12 students *submitted to* AMS/MSRI Mathematical Circles Library book series. Full text is *in preparation*.

GRANTS AND
FUNDING

Grants – Funded

- GVSU: “Developing Teacher Capacity: A study of a collaborative tutoring model for advanced courses in Grand Rapids Public Schools.” S. Schaertel, E. Billings, S. Blackman, D. Clark (Supporting), S. Clark, H. Gerson, K. Gipson, M. Karpen, M. Staves, P. Thorpe. \$2117. (2015–2016).

Grants – Travel

- Educational Advancement Foundation: “Active Learning in Mathematics Instruction travel grant”. \$500. (August 2016)
- Academy of Inquiry Based Learning: “IBL Workshop travel scholarship”. \$ 500. (June 2016)
- FTLC: “Faculty Conference Travel Grant”. \$600, for travel to JMM 2015. (January 2015)

- ENRICHMENT & OUTREACH
- *Instructor*, MathPath. Summer enrichment program for 105 mathematically talented middle school students. I teach break-out sessions on combinatorial topics for 2 weeks each summer, as well as giving plenary talks. (2013 – 2016)
 - *Organizer*, Graph Theory Games classroom visit. Organized classroom visit of MTH 315 students to a Middle School math classroom. MTH 315 students independently learned about and developed graph theory-based games. They then taught and played graph the games with MS students. (November 2016)
 - *Activity co-organizer*, Fall in Love With STEM event. Co-organized math enrichment activities for about 20 female high-school students with Feryal Alayont. (February 2016)
 - *Co-organizer*, Family Math Night at Godwin Heights Middle School. Co-organized math enrichment event for 100 students and families with Feryal Alayont. (January & November 2015)
 - *Instructor*, Hispanic Students Outreach Event. Ran enrichment activity on “Taxi-Cab Geometry” for about 30 students from Burton Middle School. (June 2015)

PRESENTATIONS & CONFERENCES **Sessions organized**

- Co-organizer, MAA Mini-course: “Beyond Traditional Grading: Mastery-Based Grading”. Organized a 4-hour mini-course with the goal of helping participants plan to use mastery grading in their own classrooms. (Mathfest 2017)
- Co-organizer, Contributed Paper Session: “Assessing Student Learning: Alternative Approaches”. Organized and moderated sessions on alternative assessment methods. (JMM 2014, 2016).

Invited presentations & Panels

- *Planning and teaching upper-level courses*. Panel presentation for Project:NExT panel at MathFest, July 2017.
- *I’m thinking of a number...* GVSU Mathematics Student Colloquium, September 2016.
- *n Ways I’ve failed at Standards-Based Grading, where $n \gg 0$* . Panel presentation for “Specifications Grading” Project:NExT panel at MathFest, August 2016.
- *Anti-games on affine geometries*. Central Michigan University Combinatorics colloquium, April 2016.
- *Anti-SET*. Hope College, April 2015.
- *The joy of scheduling chores*, Invited keynote at Youngstown State University MathFest 2014. Spoke about the connections between geometry, scheduling, and games to 411 high school students from 39 area schools. October 2014.
- *Anti-SET*. GVSU REU, July 2014.

Contributed presentations

- *Service learning for pre-service teachers in mathematics content courses* (joint with Feryal Alayont), Michigan MAA, Hillsdale, April 2016.
- *“You want to take more exams?” Standards-based grading in Calc 1*, JMM, Seattle, January 2016.
- *I need some focus!*, MathFest, Washington DC, August 2015.
- *Minor errors but a joy to read: Assessing portfolio problems in Calculus*, JMM, San Antonio, January 2015.

Conferences, Workshops, and Symposia attended

- Constructing the Future of IBL (3-hour mini-conference on Inquiry Based Learning held concurrently with MathFest 2017, sponsored by the Educational Advancement Foundation, Chicago, IL, July 2017).
- 19th Annual Legacy of R. L. Moore Conference (3-hour meeting on Inquiry Based Learning held concurrently with MathFest 2016, sponsored by the Educational Advancement Foundation, Columbus, OH, August 2016).
- Active Learning in Mathematics Instruction (2-day workshop held prior to MathFest 2016, sponsored by the Educational Advancement Foundation, Columbus, OH, August 2016).
- Inquiry-Based Learning Workshop (Week long workshop on Inquiry Based Learning, California Polytechnic State University, San Luis Obispo, June 2016).
- Joint Mathematics Meetings (2014 – 2016).
- MAA Mathfest (2015, 2016).
- MAA Michigan Section meeting (2015, 2016).
- Math in Action (2015, 2016).

PROFESSIONAL
ACTIVITIES &
SERVICE

Service: Department

- Volunteer & Technology chair, Math in Action (Summer 2016 – present). Also member of Math In Action Steering Committee (Fall 2015 – present).
- Member, Student Affairs Committee (Fall 2016 – present).
- MAA Liason (2016–2017).
- Member, Search Committee (2015–2016).
- Member, Student Success and Advising Task Force (2014–2015). *Includes MTH 210 Shared Goals and MTH 202 Survey groups.*
- Table presenter for one-time activities: Undergraduate Research Fair (October 2015), Laker Experience Day (October 2014).

Service: College

- Professional Exam Review Course: Presented 3 hour math review session for students preparing to take the MCAT, PCAT, DAT, and other professional exams (January 2016).
- Awards of Distinction interviewer (December 2015).

Service: Profession

- Founding Managing Editor, [Minnesota Journal of Undergraduate Mathematics](#) (2014–present). Current duties include soliciting original papers written by undergraduates, finding referees, editing, and publishing editions electronically.
- Referee for: *PRIMUS* (2015–present); *Designs, Codes, and Cryptography* (2012–present)
- Judge, Undergraduate Poster Session (JMM 2013–2016).
- Judge, Undergraduate Paper Session (MathFest 2012–2013, 2015).

Service: Community

- Tutor, Grand Rapids Public Schools. Tutored math students at City Middle High School. (November 2014–May 2015)

Professional Development

- FTLC Portfolio workshop. (June 2016)
- Math department book study: “Mathematical Mindsets” (J. Boaler). (Winter 2016)
- Math department book study: “Whistling Vivaldi” (C. Steele, on stereotype threat). (Fall 2015)

- Completed “Introduction to Geometry” MOOC (Massive Open Online Course), EdX. (Summer 2015)
- CLAS Fall teaching roundtables (November 2014, 2015)
- MAA Mini-course on Process-Oriented Guided Inquiry Learning (POGIL) (JMM 2015)
- FTLC F2F mentoring group (2015–2016)
- FTLC New faculty mentoring community (2014–2015)

Memberships

- *American Mathematical Society*
- *Mathematical Association of America*
- *MAA SIGMAA on Inquiry Based Learning*
- *MAA SIGMAA on Undergraduate Research*

**ADDITIONAL
INFORMATION**

- Programming and software experience: Mathematica, Magma, Sage, C.