

Contact Information College of Science and Mathematics Office Phone: (941) 359-4246
 USF Sarasota-Manatee Fax: (941) 359-4778
 8350 N. Tamiami Trail Email: glaforge@usf.edu
 Sarasota, FL 34243 USA

Education **Tufts University**, Medford, Massachusetts, USA
 Ph.D., Department of Mathematics, August 2017
Advisor: Professor Kim Ruane
Thesis title: Visible Artin Subgroups of Right-Angled Coxeter Groups
 M.Sc., Department of Mathematics, May 2012
University of Maine at Farmington, Farmington, Maine, USA
 Bachelor of Arts: Mathematics, May 2011
 Bachelor of Arts: English, May 2011

Academic Work History Associate Professor of Instruction, University of South Florida (2022-present)
 Instructor II, University of South Florida (2020-2022)
 Instructor I, University of South Florida, Sarasota-Manatee (2017-2020)
 Instructor, Poincare Institute for Mathematics Education (2014-2016)
 Graduate TA, Tufts University (2011-2017)

Research Interests Geometric Group Theory and Topology
 Coxeter groups and $CAT(0)$ cube complexes
 Thickness and divergence in graph products of groups
 Combinatorics and Graph Theory

Conferences, Workshops and Talks **Talks:**
Geometric Properties of Free Products with Amalgamation: Michael D. Wilson Symposium 2011, Farmington, Maine, May 4, 2011.
Thickness and Divergence in Virtually-Artin Coxeter Groups: BUGCAT 2015, Binghamton, New York, November 14-15, 2015.
Strong Algebraic Thickness and Divergence in Right-Angled Coxeter Groups: 50th Spring Topology and Dynamical Systems Conference, Waco, Texas, March 10-13, 2016.
Visible Artin Subgroups of Right-Angled Coxeter Groups: Tufts University, Spring 2017.

Other Workshops and Conferences Attended

20-30, 2013.

Non-Positive Curvature and Infinite Dimensions, Lorraine University, Nancy, France, August 24-28, 2015.

Florida Mathematics Re-Design Institute, hosted by the University of Florida, June 27, 2019.

Published
Papers

LaForge, G. Visible Artin Subgroups of Right-Angled Coxeter Groups. Ph.D. Thesis, August 2017.

Szynkiewicz SH, Nobriga CV, ODonoghue CR, Becerra BJ, **LaForge G.** Motor imagery practice and increased tongue strength: a case series feasibility report. *J Speech Lang Hear Res.* 2019; 62(6) : 1676–1684; doi: 10.1044=2019_JSLHR_S_180128

Teaching
Experience

*Courses in **bold** were taught online.*

Tufts University

Instructor:

Math32 Calculus I (Spring 2016)

Poincare Institute for Mathematics Education:

-Team-taught, graduate level Mathematics Education classes taken by primary and secondary education teachers throughout New England, funded by an NSF grant.

Course II: Transformations and Equations (Fall 2014)

Course III: Change and Invariance (Spring 2015)

Course I: From Numbers to Functions (Fall 2015)

Course III: Transformations and Equations (Fall 2016)

Teaching Assistant:

Calculus I, Calculus II, Linear Algebra, Abstract Linear Algebra, Topology (Moore Method) (various semesters Fall 2011 - Spring 2014)

Calculus I (Summer 2016)

University of South Florida Sarasota-Manatee

Fall 2017-present

I taught 11 courses per year from the following list:

MAC2233 Business Calculus

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MAC1147 Precalculus and Trigonometry

MAC2311 Calculus I

MAC2311 Calculus I

MAC2312 Calculus II

MAC2312 Calculus II

MAC2313 Calculus III

MAP2302 Differential Equations

STA2023 Introductory Statistics I

STA2023 Introductory Statistics I

3 courses per semester were taught in-person, with the rest online, except for during the COVID-19 pandemic, when USF moved to fully online.

