TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Marshall King Title: Lecturer

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
Ph. D.	2025 (expected)	Texas A&M University	Mathematics	TBD
M. S.	2025 (expected)	Texas A&M University	Mathematics	N/A
B. S.	2015	University of Florida	Mathematics, Statistics	N/A
B. A.	2015	University of Florida	Physics	N/A

C. University Experience

Position	*Dates*	*University*
Doctoral Teaching Assistant	Fall 2019-Summer 2025	Department of Mathematics, Texas A&M University
Undergraduate Teaching Assistant	Spring 2019	Department of Physics, University of Florida
Tutor	Spring 2016-Spring 2019	Teaching Center, University of Florida

D. Relevant Professional Experience

E. Other Professional Credentials (licensure, certification, etc.)

- Spring 2025 - Center for the Integration of Research, Teaching, and Learning (CIRTL) Associate and Practitioner Certificates, Texas A&M University

II. TEACHING

B. Courses Taught:

Course	*Dates*	*University*
Business Calculus	Fall 2022, Summer 2023	Texas A&M University
Undergraduate Teaching Assistant	Spring 2019	University of Florida

F. Other:

- Fall 2019-Summer 2025 - Texas A&M:
  - TA:
    - Engineering Calculus I
    - Engineering Calculus II
    - Functions, Trigonometry and Linear Systems

        - Differential Equations
    - Grader:
        - Theory of Partial Differential Equations
        - Numerical Analysis (Graduate Level)
- Spring 2019 - University of Florida:
    - TA: Laboratory for Physics 2

G. Teaching Professional Development Activities Attended

- Aug. 2024 – MAA MathFest, Indianapolis, IN

III. SCHOLARLY/CREATIVE

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

2. Articles:

a. Refereed Journal Articles:

- **Exotic eigenvalues and analytic resolvent for a graph with a shrinking edge**, G. Berkolaiko, G., D.I. Borisov, and M. King, Analysis and Mathematical Physics 13, 90 (2023), 22 pages. Available at: arXiv:2308.06362

B. Works Not in Print:

2. Invited Talks, Lectures, and Presentations:

Conference/Session	*Date*	*Location*
AMS Sectional Meeting: Periodicity in Quantum Systems	Sep. 2024	University of Texas, San Antonio
SIAM Texas-Louisiana Sectional Meeting: Discrete and Continuous Schrödinger Operators	Nov. 2023	University of Louisiana at Lafayette
Spectral Theory and Applications	Oct. 2023	Texas A&M University
AMS Sectional Meeting: Disordered and Periodic Quantum Systems	Mar. 2023	Georgia Institute of Technology
Mathematics Graduate Student Organization	Mar. 2023	Texas A&M University

4. Workshops:

- June 2024 – TXST Summer School in Mathematical Physics, Texas State University, San Marcos, TX
- June 2023 – Séminaire de Mathématiques Supérieures 2023: Periodic and Ergodic Spectral Problems, SLMath (formerly MSRI), Université de Montréal, Montreal, Canada

5. Other Works not in Print:

b. Works “in progress”:
- Exotic eigenvalues for graphs with shrinking edges, G. Berkolaiko and M. King, PhD thesis work to be submitted as a paper once completed

IV. SERVICE

A. Institutional

3. Department/School:
- 2024/2025 (Organizer), 2019-2025 (Instructor and Facilitator) – Math Circle volunteer, Texas A&M University
- 2024/2025, 2023/2024 – AWM Graduate Peer Mentoring Program mentor
- Feb. 2025 (Puzzles Room Leader), Feb. 2024 (Volunteer) – Mathematics and Statistics Fair, Texas A&M University
- Spring 2022 – Directed Reading Program mentor, Texas A&M University
- Feb. 2022 – Integral Bee, Texas A&M University

C. Community:
- Feb. 2025, Feb. 2024 – Outreach at River Bend and Rock Prairie Elementary Schools, on behalf of Texas A&M Math Department
- Oct. 2024 – Bryan/College Station Youth the Career Fair, Texas A&M Math Department volunteer

D. Organization Memberships:
- Aug. 2024-present – Mathematical Association of America (MAA)

E. Service Honors and Awards:
- 2025 – Dr. Joseph Newton Graduate Student Service Award, Texas A&M University

G. Service Professional Development Activities Attended:
- Aug. 2024 – MAA MathFest, Indianapolis, IN