TEXAS STATE VITA

I. Academic/Professional Background

A. Name: Ethan Lane Addison Title: Assistant Professor of Instruction

B. Educational Background

Degree	*Year*	*University*	*Major*	*Thesis/Dissertation*
PhD	2022	University of Notre Dame du Lac	Mathematics	*Generalizing Poincaré-Type Kähler Metrics*

C. University Experience
Detlef Gromoll Instructor (Stony Brook University, 2022-2025)
D. Relevant Professional Experience

E. Other Professional Credentials (licensure, certification, etc.)
Striving for Excellence in Teaching Certificate

II. TEACHING

A. Teaching Honors and Awards:

B. Courses Taught:
Calculus B (2020)
Calculus C (2023)
Elements of Calculus (2019)
Calculus III (2023,2024)
Geometry for Teachers (2022, 2023)
Analysis for Teachers I (2025)
Analysis for Teachers II (2024)
Topics in Complex Analysis: Non-Kähler Complex Geometry (2024)

C. Directed Student Learning (i.e. theses, dissertations, exit committees, etc.):
Directed Readings in Point-Set Topology (2019)
Coadvised undergraduate Fiona Yang leading to an exposition of computing the fundamental group of the Klein Bottle (2023)

D. Courses Prepared and Curriculum Development:
Calculus III (2023,2024)
Geometry for Teachers (2022, 2023)
Analysis for Teachers I (2025)
Analysis for Teachers II (2024)
Topics in Complex Analysis: Non-Kähler Complex Geometry (2024)

E. Teaching Grants and Contracts

1. Funded External Teaching Grants and Contracts:

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

3. Funded Internal Teaching Grants and Contracts:

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

F. Other: Notebaert Premier Fellow

G. Teaching Professional Development Activities Attended
Kaneb Center Teaching Workshops (2021)
Alternatives to Traditional Grading
Ungrading
Enhancing Learning with Low Stakes Assessments
Writing Effective Letters of Recommendation
Belonging: Create a Welcoming Learning Environment

III. SCHOLARLY/CREATIVE

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

1. Books:

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books: *Principles of Locally Conformally Kähler Geometry* by L. Ornea & M. Verbistky (contributing editor)

d. Chapters in Books:

e. Creative Books:

2. Articles:

a. Refereed Journal Articles: "A Product Model for Generalizing Poincaré-Type Kähler Metrics" (Proceedings of the AMS, Vol. 151 (2023) 3999-4013)

b. Non-refereed Articles: "Prescribing Nonvanishing Scalar Curvatures Along the Gauduchon Line" (2024, preprint, available by request)

"Average Intensity of the Distribution of Complex Zeros of a Class of Random Polynomials" (with A. Ledoan, S. Smith, & R. Vradenburg, 2015, preprint, available by request)

3. Conference Proceedings:

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Essays:

8. Poems:

9. Short Stories:

10. Other Works in Print:

B. Works Not in Print:

1. Papers Presented at Professional Meetings:

2. Invited Talks, Lectures, and Presentations:
"The Topology of Kähler Manifolds" Graduate Student Seminar, University of Notre Dame, 2019
"Extremal Poincaré-Type Metrics" Geometric Analysis Seminar, University of Notre Dame, 2019
"Bott-Chern Vanishing on Complete Hermitian Manifolds" Geometric Analysis Seminar, University of Notre Dame, 2019
"Uniqueness of Complex Projective Space" Graduate Student Seminar, University of Notre Dame, 2020
"Generalizing Kähler Metrics of Poincaré Type" Séminaire de Géométrie et Topologie, UQÀM, 2022
"Generalized Complex Geometry" Postdoctoral Seminar, Stony Brook University, 2022
"A Flowing Construction to Generalize Poincaré-Type Metrics" Analytic Methods in Complex Geometry, Westfälische Wilhelms-Universität Münster, 2023
"A Flowing Construction to Generalize Poincaré-Type Metrics" Geometry & Geometric Analysis Seminar, Purdue University, 2024
"A Flowing Construction to Generalize Poincaré-Type Metrics" Differential Geometry, Topology, & Special Structures Seminar, Graduate Center of CUNY, 2024

3. Consultancies:

4. Workshops:

5. Other Works not in Print:

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

b. Works "in progress":

c. Other Works Not in Print:

C. Scholarly / Creative Grants and Contracts:

1. Funded External Grants and Contracts:

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

3. Funded Internal Grants and Contracts:

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

D. Scholarly / Creative Fellowships, Awards, Honors:

E. Scholarly / Creative Professional Development Activities Attended:

F. Media Recognition: Bari Science Lab Interview (2024)

IV. SERVICE

A. Institutional

1. University: Stony Brook University

2. College: College of Arts & Sciences

3. Department/School: Mathematics Department

B. Professional:
Geometry & TACoS Conference Organizer (2024-Present)
Postdoctoral Seminar Organizer (2024)
Panel on Postdoctoral Positions Participant (2022)
Bridge Program Instructor (2021)
Panel for Prospective Students Organizer (2020-2021)
MGSA Treasurer (2019-2020)

C. Community:

D. Organization Memberships:

E. Service Honors and Awards:

F. Service Grants and Contracts:

1. Funded External Service Grants and Contracts:

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

3. Funded Internal Service Grants and Contracts:

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

G. Service Professional Development Activities Attended: