

# Thiago Gardner

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## SUMMARY

Distinguished **mathematics** professor and academic leader with 18 years of post PhD **faculty** experience across independent **research**, undergraduate and graduate **teaching**, doctoral supervision, and department administration. Sustains a peer reviewed research program in analysis and applied mathematics, connecting rigorous theory with broader scientific questions and collaborative inquiry. Leads faculty planning, curriculum priorities, graduate education, academic service, and strategic initiatives within research intensive university settings. Teaches foundational and advanced mathematics through proof based courses and research seminars, helping students develop confidence as independent scholars. Supervises doctoral researchers from question formation through dissertation completion, publication, and presentation. Works closely with faculty, staff, deans, committees, and university partners to strengthen teaching, research, and service priorities through practical shared governance.

## EXPERIENCE

### Professor of Mathematics, Department Chair

July 2021 - Present

Lakeview Institute of Technology

*Milwaukee, Wisconsin*

Leads academic and administrative direction for a research active mathematics department, supporting faculty planning, graduate education, course coverage, independent scholarship, and university **service**.

- Aligned faculty planning and graduate education with college priorities and course coverage.
- Sustained peer reviewed research in analysis and applied **mathematics** through interdisciplinary collaboration.
- Taught graduate seminars and upper level courses linking research questions with proof based reasoning.
- Supervised doctoral students through literature review, proof strategy, dissertation completion, and publication.
- Built faculty consensus around curriculum renewal and stronger advanced study pathways.
- Represented departmental **research priorities** and resource needs in university planning discussions.

### Professor of Mathematics

August 2017 - June 2021

Prairie State University

*Urbana, Illinois*

Directed a research and teaching portfolio spanning nonlinear analysis, graduate mentoring, doctoral committees, curriculum review, faculty development, and shared academic governance.

- Integrated nonlinear analysis with interdisciplinary questions across a multi year research agenda.
- Designed proof intensive courses from real analysis through advanced **mathematics** seminars.
- Chaired doctoral committees and guided dissertations from original questions through defensible methods.
- Evaluated graduate curriculum sequencing and qualifying exam preparation through faculty working groups.
- Served on committees addressing recruitment, academic standards, and institutional **research priorities**.
- Mentored junior faculty on research planning, teaching portfolios, and balanced **academic service**.

### Associate Professor of Mathematics

August 2012 - July 2017

Redwood University

*Portland, Oregon*

Advanced mathematical analysis research while teaching core and advanced courses, supervising graduate work, developing research connected curriculum, and contributing to departmental assessment.

- Published theoretical results in mathematical analysis and presented findings at disciplinary conferences.
- Taught undergraduate and graduate courses emphasizing precise reasoning and proof construction.
- Reviewed graduate research projects through regular meetings that clarified scope and scholarly communication.
- Developed an advanced topics course connecting active research themes with current literature.
- Used student progression and course demand data during curriculum and departmental assessment.
- Built cross disciplinary research relationships supporting seminars, student projects, and inquiry.

### Assistant Professor of Mathematics

August 2008 - July 2012

Great Plains College

*Lincoln, Nebraska*

Established an **independent research program** in analysis while teaching foundational mathematics, mentoring student **researchers**, organizing scholarly exchange, and contributing to shared governance.

- Established an analysis research program alongside undergraduate teaching and departmental service.
- Taught calculus, linear algebra, real analysis, and proof based electives.
- Mentored undergraduate research and master's studies through conjecture development and proof testing.
- Organized a research seminar connecting faculty scholarship with advanced student audiences.
- Mapped prerequisite knowledge across courses during curriculum and program reviews.
- Supported faculty searches and academic committees through shared department decision making.

PROJECTS

Graduate Research Pathways 📅 2024

Created a structured pathway linking core graduate coursework, qualifying exam preparation, independent research, dissertation planning, and scholarly communication. Faculty and students used shared milestones to clarify expectations and support steady progress.

Applied Analysis Seminar Series 📅 2020

Organized research discussions that connected mathematical analysis with broader scientific questions. Sessions gave graduate and advanced undergraduate students practice reading current literature, presenting technical ideas, and forming collaborative research questions.

LEADERSHIP & AWARDS

- University Award for Distinguished Scholarship, 2024
- College Excellence in Graduate Mentoring Award, 2022
- Department Chair, Lakeview Institute of Technology Mathematics Department
- Faculty Mentor, Early Career Mathematics Faculty Program

EDUCATION

PhD in Mathematics

University of Minnesota GPA: 0

2008

Minneapolis, Minnesota

*Coursework: Analysis, Applied Mathematics, Mathematical Research, Graduate Teaching*

Master of Science in Mathematics

University of Minnesota GPA: 0

2004

Minneapolis, Minnesota

*Coursework: Real Analysis, Linear Algebra, Mathematical Proof, Research Methods*

Bachelor of Science in Mathematics

University of Iowa GPA: 0

2002

Iowa City, Iowa

*Coursework: Calculus, Linear Algebra, Abstract Algebra, Mathematical Statistics*

CERTIFICATIONS

- PhD in Mathematics 📅 2008
- Master of Science in Mathematics 📅 2004

TECHNICAL SKILLS

- **Mathematical Analysis:** Real Analysis, Nonlinear Analysis, Applied Analysis
- **Research Methods:** Independent Research, Literature Review, Proof Strategy
- **Teaching Areas:** Calculus, Linear Algebra, Graduate Mathematics
- **Graduate Education:** Doctoral Supervision, Dissertation Advising, Qualifying Exams
- **Curriculum Planning:** Curriculum Review, Course Sequencing, Program Assessment
- **Academic Leadership:** Department Chairing, Faculty Planning, Shared Governance
- **Scholarly Communication:** Research Seminars, Conference Presentations, Peer Reviewed Writing
- **Faculty Development:** Mentoring, Teaching Portfolios, Promotion Planning
- **Interdisciplinary Research:** Applied Mathematics, Quantitative Collaboration, Scientific Questions
- **Academic Service:** Faculty Committees, Faculty Recruitment, Research Priorities

SKILLS

- Mathematical Research
  - Analysis
  - Applied Mathematics
  - Department Leadership
- Academic Administration
  - Strategic Planning
  - Undergraduate Teaching
  - Graduate Teaching
- Doctoral Supervision
  - Curriculum Development
  - Faculty Mentoring
  - Academic Service
- Research Collaboration
  - Independent Scholarship
  - Scholarly Achievement

PROFESSIONAL AFFILIATIONS

- Member, American Mathematical Society
- Member, Society for Industrial and Applied Mathematics
- Research collaborator, interdisciplinary quantitative scholarship initiatives

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST