

Vanessa Pham

Phone: (407) 325-8719
Email: tien.pham@ucf.edu
Location: Orlando, Florida

EDUCATION

- **University of Central Florida** 2023 - Present
Ph.D in Mathematics (In progress)
- **University of Central Florida** 2021 - 2023
Master of Science in Financial Mathematics
- **University of Central Florida** 2018 - 2021
Bachelor of Science in Mathematics

TEACHING EXPERIENCE

Adjunct Instructor, UCF

Summer 2025

Courses: Intermediate Algebra, College Algebra, Precalculus, Trigonometry.

Responsibilities:

- Teaching foundational mathematics courses, preparing first-year STEM students for higher-level math.
- Delivered individualized instruction through data-informed mentoring and assessments, applying evidence-based strategies to support diverse learning needs and improve performance.
- Leveraged adaptive learning platforms (ALEKS), Canvas, Zoom and lecture videos to enhance engagement, accessibility, and conceptual understanding.
- Designed targeted review sessions based on student performance to reinforce key concepts and improve learning outcomes.
- Managed and mentored a team of Undergraduate Learning Assistants, aligning their strengths with classroom needs to enhance instructional support.
- Collaborated with the Administrators, EPC (Testing Center), SAS (Student Accessibility Services), and other instructors to provide tailored support and promote student success.

Instructor of Record, UCF

Fall 2023 - Spring 2025

Courses: Intermediate Algebra, College Algebra, Precalculus, Trigonometry, and Calculus I.

Responsibilities:

- Responsibilities same as above.

Adjunct Instructor, UCF

Summer 2024

Courses: College Algebra, Precalculus, and Trigonometry. Excel Tutoring Center, College of Science: Calculus I, II, III, and Ordinary Differential Equations.

Responsibilities:

- Responsibilities same as above.
- Tutored Calculus I–III, ODE at the Excel Center.

- Conducted both one-to-one and group learning sessions.

Graduate Teaching Assistant, UCF

Fall 2022 - Spring 2023

Courses: College Algebra, Precalculus, Trigonometry, and Calculus I. Math Circle Program: Advanced Middle School Math.

Responsibilities:

- Delivered in-class lectures and facilitated active learning sessions in UCF's Mathematics Assistance and Learning Lab (MALL), supporting large-scale instruction for foundational math courses.
- Collaborating with teaching assistants and learning assistants to ensure effective huge class operations and provide comprehensive support for student learning.
- Developed and delivered lectures for Math Circle, an outreach program for advanced middle school learners.

Leaching Assistant and Grader, UCF

Fall 2021 - Spring 2022

Courses: College Algebra, Precalculus, and Trigonometry. Grader: Calculus I

Responsibilities:

- Grader for Calculus I and assisting the professor in managing and answering student questions during online class lectures.
- Providing one-to-one tutoring. Collaborating with professors, TAs and LAs to support students' understanding and success.

Teacher, St. Tran Van Thien School

Fall 2016 - Fall 2021

Responsibilities:

- Teaching K-12 students about Vietnamese culture and language.
- Adapting and creating teaching methods for different age groups to meet their unique learning needs.
- Identifying student challenges and providing personalized support to enhance their learning experience.

SKILLS

- Teaching Tools: Canvas, ALEKS, Zoom, Knewton Alta.
- Technical: Python, LaTeX, Microsoft Office Suite.
- Strengths: Student mentoring, curriculum design, classroom technology, and classroom managing.
- Proven ability to manage large-scale courses, foster student engagement, and align with institutional student success initiatives.

RESEARCH

Pham, V., Chakraborty, P., and Lahcen, R. *Exploring the Role of Graduate Teaching Assistants in Facilitating Adaptive Learning.*(accepted)

PRESENTATION

"*Teaching and Empowering Students in an Adaptive Learning Math Course*", **Vanessa Pham**, Piyali Chakraborty, Jack Miller, Creative Scholars Seminar, University of Central Florida, Orlando FL, April 18, 2025.

REFERENCES

1. Dr. Qiyu Sun
Position: Professor
University: University of Central Florida
Department: Mathematics
Email: qiyu.sun@ucf.edu
2. Dr. Rachid Ait Maalem Lahcen
Position: Associate Lecturer
University: University of Central Florida
Department: Mathematics
Email: rachid@ucf.edu
3. Dr. Laura Yang
Position: Associate Lecturer
University: University of Central Florida
Department: Mathematics
Email: Laura.Yang@ucf.edu
4. Dr. Christian Keller
Position: Assistant Professor
University: University of Central Florida
Department: Mathematics
Email: christian.keller@ucf.edu