

## Education

International Baccalaureate High School Degree, Summa Cum Laude, 2016.

B.A. Mathematics, University of Colorado Boulder, Magna Cum Laude 2019.

Ph.D. Mathematics, University of Vermont, May 2024.

## Employment

Tata Institute of Fundamental Research — Visiting Postdoctoral Fellow (2024 – 2025).

University of Vermont — Graduate Teaching Assistant (2019 – 2024):

*Five years of instruction of courses for non-math majors, including syllabus/course planning, all lecturing and creation of exams.*

## Conferences/Seminars

University of Vermont Algebraic Number Theory seminar (unQVNTS) — organizer for 2022-2024

Arizona Winter School 2020 — participant

Algebraic Geometry in the time of Covid (AGittoC) — participant

Upstate NY Number Theory at Union College 2021 — participant

Connecticut Summer School in Number Theory (CTNT) 2022 — participant

Park City Mathematics Institute (PCMI) 2022 — Teaching Assistant to the Undergraduate Summer School program

Explicit Computations with Stacks AMS MRC June 2023 — participant

AGNES @UPenn October 2023 — poster presentation

## Research

(preprint) The Geometry of Drinfeld Modular Forms — arXiv: 2310.19623

Under review at Mathematische Annalen.

(In progress) Section Rings of  $\mathbb{Q}$ -divisors on Genus 1 Curves — arXiv: 2312.15128 — joint work with Evan O’Dorney and Michael Cerchia

(Thesis; In progress) Computing the Canonical Ring of Certain Stacks

## Academic Awards

In May 2023 and May 2024 I received the John F. Kenney award for “Excellence in Mathematics” from the University of Vermont.

## References

Dr. Christelle Vincent, Assistant Professor University of Vermont. [christelle.vincent@uvm.edu](mailto:christelle.vincent@uvm.edu)

Dr. Taylor Dupuy, Associate Professor University of Vermont. [taylor.dupuy@uvm.edu](mailto:taylor.dupuy@uvm.edu)

Dr. Nat Thiem, Associate Professor University of Colorado at Boulder. [nathaniel.thiem@colorado.edu](mailto:nathaniel.thiem@colorado.edu)