

## Education

B.A. Mathematics, University of Colorado Boulder, 2019

International Baccalaureate High School Degree, Summa Cumme Laude, 2016

PhD Mathematics, University of Vermont, expected ~May 2025

## Employment

University of Vermont - Graduate Teaching Assistant (ongoing):

*Two terms of fully autonomous instruction of first year calculus courses for non-math majors, including syllabus/course planning, all lecturing and creation of exams*

*One term classic TA position due to Covid*

Southwest Research Institute - Data Analyst Intern (Summer 2016):

*Thermal Vacuum Test, Data Analysis, Programming in Python, and Ruggedization of Suborbital Flight Instrument for Solar Imaging*

Lumos Solar - Warehouse Supervisor (Summer 2017):

*Helping the family business by organizing new warehouse including shipping and receiving*

## Academic Extra Curriculars

Representation Theory Research - under Dr. Thiem (May 2018 → May 2019)

Undergraduate Symposium - Attendance of lectures by [grad student] Leo Herr and reading Algebraic Curves An Introduction to Algebraic Geometry by William Fulton (January 2018 → May 2019)

National Mathematics Honors Society (2018 → present)

University of Vermont Algebraic Number Theory seminar (QVNTS)

Arizona Winter School 2020

Algebraic Geometry in the time of Covid (AGittoC)

## Research/Relevant Coursework

Independent Study: Representation Theory and Combinatorial Methods (Fall 2018 → May 2019)

Algebraic Geometry (September 2019-October 2020) and Algebraic Topology (Fall 2019)

UCSD Number theory with Kedlaya (Fall 2020)

Early stages of thesis work in Drinfeld setting (ongoing)

## References

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

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