

# Nicholas Camacho

E-mail: [nicholascamacho@live.com](mailto:nicholascamacho@live.com)

Website: <https://nicholascamacho.weebly.com>

---

Note: If viewing as a PDF, the texts in [blue](#) are website links for more details.

## EDUCATION

### Degrees

- **Ph.D Mathematics** December 2020  
*University of Iowa – Iowa City, Iowa*  
Advisor: [Dr. Frauke Bleher](#)  
Thesis: Holomorphic Differentials of Klein Four Covers
- **M.S. Mathematics** May 2018  
*University of Iowa – Iowa City, Iowa*  
G.P.A.: 3.86/4.0  
Qualifying Exam Results (Scale: Fail/Masters Pass/Ph.D Pass)
  - [Algebra Exam](#): Ph.D Pass
  - [Topology Exam](#): Ph.D Pass
  - [Analysis Exam](#): Ph.D Pass
- **B.S. Mathematics** May 2016  
*Florida Gulf Coast University – Fort Myers, Florida*  
Graduated *Summa Cum Laude*, G.P.A: 3.97/4.0

### Certifications

- **Graduate Certificate in College Teaching** May 2020  
awarded by the College of Education at the University of Iowa
- **Tutoring Certificate** May 2019  
awarded by the Tutoring Center at the University of Iowa

## TEACHING EXPERIENCE

### Instructor Positions

- **Department of Mathematics, University of Iowa**
  - [College Algebra](#) Spring 2019
    - Prepared and delivered lectures four times per week as the instructor of record for 36 students; created, graded, & provided feedback on all course content (homework, exams, and quizzes).
- **TRIO Upward Bound Project, University of Iowa**
  - [Introduction to Calculus](#) Summer 2019 & Summer 2020
    - Designed a 5-week calculus course for high school students coming from underprivileged and underrepresented groups.
  - [Introduction to College Algebra](#) Summer 2020

## Teaching Assistant Positions

### ■ Department of Mathematics, University of Iowa

- *Calculus II* Fall 2020
- *Intro to Abstract Algebra I* Spring 2020
- *Multivariable Calculus with Mathematica* Fall 2017
- Provided supplemental lectures, homework/assignment assistance, grading, and feedback for hundreds of undergraduate students.

## Seminars and Workshop Teaching

### ■ Department of Mathematics, University of Iowa

- “Discrete Mathematics” Seminar Instructor
  - Created and delivered a series of lectures for first-year mathematics PhD students providing an overview of various topics in advanced math. (The 50+ pages of notes I created for this seminar can be found [here](#).)

### ■ Math Tutorial Lab, University of Iowa

- “Polynomials Review” Workshop Leader Fall 2018
- “Derivatives Review” Workshop Leader Fall 2017
- Delivered workshop lectures for undergraduate students.

## Tutoring

### ■ *Tutor*, [Gerdin Athletic Learning Center](#) Fall 2018-Present

- One-on-one, group, and drop-in tutoring for student-athletes in undergraduate math courses, including Linear Algebra, Calculus, and College Algebra.

## SERVICE/ INVOLVEMENT

### ■ [Field of Dreams Conference](#) (by the Math Alliance)

- Recruiter for the U. Iowa Math Department. November 2018  
& November 2019

### ■ [Sonia Kovalevsky Day](#), Volunteer

- Math day for high school-aged girls. April 2019

### ■ Mathematics Graduate Student Board at the Univ. of Iowa

- Alternate Graduate Student Senate Representative Fall 2018

### ■ Sloan Center for Exemplary Mentoring at the Univ. of Iowa

- Student Advisory Board Member Spring 2018-Present

### ■ (Lucas Elementary School) Math Day, Classroom Volunteer

- Led elementary school students in math games. May 2018

### ■ (Robert A. Lee Rec. Center) S.T.E.A.M. Olympics, Camp Volunteer

- Led elementary school students in math games. July 2018

## CONFERENCE TALKS

- Underrepresented Students in Topology and Algebra Research Symposium ([USTARS Conference](#))
  - Distinguished Graduate Speaker <sup>1</sup> Univ. of Iowa, **April 2020**
    - Talk title: *Klein Four Holomorphic Differentials*
  - Invited Speaker Iowa State University, **April 2019**
    - Talk title: *Holomorphic Differentials of Projective Curves*
  - Invited Speaker Reed College, **April 2018**
    - Talk title: *Two Examples of Integral Extensions*
  - Member of the “Graduate School Mentoring” Panel Amherst College, **April 2017**
  - Poster Presenter Sam Houston State University, **April 2016**
    - Poster Title: *Pseudospectra and Matrix Behavior*

## OTHER TALKS/ PRESENTATIONS

- “*Holomorphic Differentials of Projective Curves*”
  - University of Iowa, Graduate And Undergraduate Student Seminar **March 2019**
- “*Rings of Integers in Quadratic & Cyclotomic Fields*”
  - University of Wisconsin (Eau Claire) Math Club Speaker **April 2018**
  - University of Iowa, Graduate And Undergraduate Student Seminar **November 2017**

## SCHOLARSHIPS, AWARDS

- Graduate College Post-Comprehensive Research Fellowship **Fall 2019**  
*Awarded By: The Graduate College at the University of Iowa*
- Graduate College Summer Fellowship **Summer 2019**  
*Awarded By: The Graduate College at the University of Iowa*
- Underrepresented Minority Pre-Comprehensive Mentored Research Fellowship **Spring 2018**  
*Awarded By: The Graduate College at the University of Iowa*
- \$500 Sloan Mini-Grant **Spring 2018, Summer 2018**  
*Awarded By: Sloan Center for Exemplary Mentoring at the Univ. of Iowa*
- Alfred P. Sloan Scholarship **Fall 2016, Fall 2018, Fall 2019, Spring 2020**  
*Awarded By: Sloan Center for Exemplary Mentoring at the Univ. of Iowa*
- Graduate Assistance in Areas of National Need (GAANN) Fellowship **Fall 2016, Spring 2017, Fall 2017, & Fall 2018**  
*Awarded By: The Dept. of Mathematics at the University of Iowa*

---

<sup>1</sup>Conference cancelled due to COVID-19