

# RACHEL NASH

rsn55@cornell.edu ♦ 301 Donlon, Ithaca, NY 14853 ♦ (704) 775-6182

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## EDUCATION

- Cornell University, College of Arts and Sciences ♦ Ithaca, NY** *2016-present*
- B.A. in Computer Science, Graduating 2020, **GPA 3.89**
  - Relevant Coursework: Introduction to Python, Linear Algebra, Object-Oriented Programming and Data Structures (enrolled), Discrete Structures (enrolled)
  - Awards: Dean's List Fall 2016
- Lake Norman High School ♦ Mooresville, NC** *2012-2016*
- Class Rank: 3/466, **GPA 3.99** (Weighted 5.01)
  - Awards: AP Scholar with Distinction, National Merit Scholar Finalist, "Inquisitive Math Mind" Teacher Award, Honors Graduation Speaker
- North Carolina Governor's School East ♦ Raleigh, NC** *Summer 2015*
- Selected to study at Meredith College campus with a concentration in mathematics
  - Presented a group research project on Knot Theory to audience of 100

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## WORK

- Mathnasium Learning Center ♦ Mooresville, NC** *2012-2016*
- Lead Instructor
- Taught students K-12 with emphasis on improving foundational skills and mental math
  - Created my own worksheets and math games that were used alongside Mathnasium's customized learning plans
  - Balanced my teaching time with individuals to instruct up to 6 students at once
  - Trained new tutors and assisted with administrative work
- Private Math Instruction ♦ Mooresville, NC** *2016*
- Worked one-on-one providing homework help to struggling students
- Fresh Chef Restaurant ♦ Mooresville, NC** *2016*
- Waitress

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## LEADERSHIP

- Mu Alpha Theta (Math Club) President ♦ High School** *2015-2016*
- Led all meetings and coordinated club events with an executive team
- National Honors Society Executive ♦ High School** *2015-2016*
- Organized NHS functions and led the Public Relations committee

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## PROJECTS

- Project Euler** *2016-present*
- Solved programming and mathematical problems on [projecteuler.net](http://projecteuler.net)
- Breakout Game** *2016*
- Implemented the classic video game Breakout with features including scoreboards and multiple levels
- Gender and Sexuality in a Health Curriculum** *2015-2016*
- Designed a lesson plan and taught a discussion-based class on LGBT topics
  - Worked with a Women's and Gender Studies professor at UNC Charlotte

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## SKILLS

**Proficient:** Java (will learn this semester), Python, Microsoft Word  
**Familiar:** HTML, CSS, Swift  
**Languages:** English (native), Italian (beginner)

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## INTERESTS

**Game Design ♦** Contemplating Minor  
**Acting ♦** Theatre productions  
**Feminism, LGBT Rights ♦** Feminist Club member  
**Art ♦** Drawing, painting, and design skills