RACHEL NASH

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SCHOOL

Cornell University, College of Arts and Sciences ♦ *Ithaca, NY* *Degree Expected 2020*
- B.A. in Computer Science, **GPA 3.81**
- Major Coursework: Object-Oriented Programming and Data Structures, Discrete Structures, Introduction to Python, Linear Algebra
- Current Major Coursework: Systems Programming, Intro Web Design
- Awards: Dean's List Fall 2016-Spring 2017

Lake Norman High School ♦ *Mooresville, NC* *Graduated 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* *June 2015-Aug. 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.

WORK

Geopier Foundation Company ♦ *Mooresville, NC* *June 2017-Aug. 2017*
Intern
- Proposed and developed an automation for modulus test database entries, reducing time required by 66% while also making it more user-friendly and mathematically accurate. Taught myself VBA to code this in Excel.
- Maintained modulus test database with manual data entry.
- Researched and presented findings on competitors' and licensees' social media accounts.

Intro to Python Workshop ♦ *Mooresville, NC* *June 2017- Aug. 2017*
Teacher, Self-started
- Wrote lesson plans and assigned homework to teach 4 students coding basics in Python. Met twice/week for 7 weeks and covered topics including object-oriented programming and recursion.
- Researched classroom locations and recruited students with presentations at local high school.

Mathnasium Learning Center ♦ *Mooresville, NC* *Aug. 2012- Feb. 2016*
Lead Instructor
- Taught students K-12 with emphasis on improving foundational skills and mental math, often balancing up to six students (in a variety of grades) at once.
- Trained new tutors and assisted with administrative work, such as organizing student binders.

Fresh Chef Restaurant ♦ *Mooresville, NC* *Feb. 2016 - Aug. 2016*
Waitress
- Learned to thrive in a fast-paced environment and worked with a service team

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PROJECTS

Image Processing Research ♦ *Cornell University* *January 2017-Present*
- Work in progress writing a program for analyzing thousands of images to assist a PHD student. Researching accurate measurement of cell area from microscope pictures.

Project Euler *November 2016*
- Solved programming and mathematical problems on projecteuler.net for a fun challenge

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SKILLS

Proficient: Java, Python
Familiar: HTML, CSS, VBA, Microsoft Word, Excel, & PowerPoint
Languages: English (native), Italian (conversational)

CLUBS

Mu Alpha Theta (Math Club) President ♦ *High School* *Aug. 2015-June 2016*
- Led all meetings and coordinated club events with an executive team

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INTERESTS

Linguistics, Rubik's Cube Speed-Solving, Art/Design, Acrylic Painting, Feminist Activism, Acting