RACHEL NASH

rsn55@cornell.edu ♦ https://rsn55.github.io ♦ (704) 775-6182

EDUCATION

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

SELECTED PROJECTS

Research Connect   *October 2017-Present*
- Front-end developer and product design team member for a work-in-progress website that connects professors with students who want to do undergraduate research. Using React.js, HTML, and CSS.

32-bit MIPS Processor   *October 2017*
- 5-stage pipelined processor with jumps, branches, data forwarding, and stalling.

Web Design   *September 2017-Present*
- Using HTML, CSS, JavaScript (jQuery), and PHP, I have made multiple websites for my Intro Web Design class, including one that will shortly become an in-use site for Cornell Impacting Investing Club.

WORK EXPERIENCE

CU Engineering Success (CUES) ♦ *Cornell University*   *October 2017-Present*
Private Tutor
- Tutoring a student in Discrete Structures (CS2800) with CUES, a program to increase the graduation rates of underrepresented minority and first generation engineering students

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
- Wrote lesson plans and assigned homework to teach 4 high school students coding basics in Python. Met twice/week for 4 weeks and covered topics including object-oriented programming and recursion.

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

SKILLS

Proficient: Java, Python, HMTL, CSS
Familiar: C, JavaScript, React.js, PHP, VBA, Photoshop, Sketch
Languages: English (native), Italian (intermediate)

CLUBS AND INTERESTS

Volunteer teacher for Women in Computing at Cornell (WiCC)'s Girls Who Code program
Interested in: Linguistics, Web Design, Product Design, Rubik's Cube Speed-Solving, & Art