

RACHEL NASH

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127 Lynnbrook Lane, Mooresville, NC 28117

EDUCATION

Cornell University, College of Arts and Sciences ♦ *Ithaca, NY*

Aug. 2016 - Expected May 2020

- Candidate for B.A. in Computer Science, Minor in Linguistics, **GPA: 3.84**
- Advanced Coursework: Operating Systems, Data Structures and Functional Programming, Computer Systems Organization and Programming, Computer Graphics, Artificial Intelligence, Discrete Structures
- Dean's List: Fall 2016, Spring 2017, Fall 2017

SELECTED PROJECTS

Queue Me In ♦ *Ithaca, NY* ♦ <https://github.com/cornell-dti/office-hours>

Aug. 2018 - Present

Front-end Developer

- Developing a web app that aims to improve overcrowded office hours with an online queue system. Allows teaching assistants to answer questions more efficiently and provides feedback to professors.
- Creating graphic data visualizations for use by instructors in making staffing and instructional decisions, among other features. Using React, Typescript, and GraphQL.

Research Connect ♦ *Ithaca, NY* ♦ <https://github.com/cornell-dti/research-connect>

Oct. 2017 - Aug. 2018

Front-end Developer

- Built a site to help students find lab research positions and connect with professors. Collaborated with a team of 7 using the Scrum framework to develop the entire application from scratch and into production release.
- Used React to create features including filter and search pages, match-finding through comparison of student information and position requirements, dynamic profile editing, and registration forms.

WORK EXPERIENCE

Cornell University ♦ *Ithaca, NY*

Jan. 2018 - Present

Teaching Assistant

- Held office hours, graded assignments, and assisted students in lab section for two core computer science courses: Systems Organization and Programming (Spring 2018) and Operating Systems (Fall 2018).

Cisco Systems ♦ *Research Triangle Park, NC*

Jun. 2018 - Aug. 2018

Software Intern

- Implemented the front end features for an internal project management Flask app created from scratch with a team of two other interns. Purpose was to cut costs (\$50,000 annually) by reducing Salesforce use. The site allows managers to track resources, visualize their team's time utilization, and easily assign tasks. Used JavaScript.
- Created a cross-platform web service for file encryption and tagging using WebSockets in Java.
- Analyzed patterns in company data egress using Splunk to assist in designing data loss prevention policies.

Geopier Foundation Company ♦ *Mooresville, NC*

Jun. 2017 - Aug. 2017

Intern

- Proposed and developed an automation for modulus test database entry, significantly reducing user input time and providing a user-friendly interface. Used Visual Basic for Applications.

ACTIVITIES

Art Beyond Cornell: Volunteer for art classes with incarcerated youth

Oct. 2018 - Present

Phi Sigma Pi National Honor Fraternity: Elected as Initiate Social Chair

Sep. 2018 - Present

Cornell Design and Tech Initiative: Front-end developer (<https://www.cornelldti.org>)

Oct. 2017 - Present

Cornell Concert Commission: Volunteer for concert production and promotion

Aug. 2017 - Present

Girls Who Code: Volunteer programming instructor for high school students

Sep. 2017 - Dec. 2017

CU Engineering Success: Tutor for Discrete Structures

Oct. 2017 - Dec. 2017

SKILLS

Programming: Python, Java, React, OCaml, C, HMTL, CSS, JavaScript, jQuery, Typescript, GraphQL

Natural Languages: English (native), Italian (intermediate)