RACHEL NASH

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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. Creating graphic data visualizations for use by instructors in making administrative and instructional decisions, among other features. Using React, Typescript, and GraphQL.

OClue ♦ *Ithaca, NY* ♦ https://github.com/rsn55/OClue   *Oct. 2018 - Nov. 2018*
Developer
- Designed and developed a text-based, command-line version of Clue from scratch. Used OCaml to implement all the elements of the board game as well as competitive bots, which use logic and probability to deduce solutions.

Research Connect ♦ *Ithaca, NY* ♦ https://github.com/cornell-dti/research-connect   *Oct. 2017 - Aug. 2018*
Front-end Developer
- Collaborated with a team of 7 to develop an undergraduate research application site from scratch. Used React to create features including filter and search pages, matching students to positions, and dynamic profile editing.

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

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