

# Vy Nguyen

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## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY

**Expected May 2024**

Bachelor of Science, Computer Science

**Relevant Courses:** Introduction to Computing Using Python, Object-Oriented Programming and Data Structures, Discrete Structures, Basic Engineering Probability and Statistics, Data Structures and Functional Programming (In-Progress), Systems Programming (In-Progress)

## RESEARCH EXPERIENCES

**Cornell University**, *Undergraduate Researcher*

**Jan 2021-Present**

- Demonstrated new applications in activity recognition and health sensing through wearable technologies.
- Built intelligent systems that enable novel and natural information exchange between humans, computers, and surrounding environments.

**Cornell Tech**, *Undergraduate Researcher*

**Jun. 2021-Aug. 2021**

- Verified methods devised to estimate the exposure of users to misinformation on social networks using real-world datasets.
- Studied and developed methods to effectively reduce misinformation on social media using graph theories, statistical models, and machine learning techniques.

## LEADERSHIP EXPERIENCES

**Academic Excellence Workshops Facilitator**, Cornell University

**Feb. 2021-Present**

- Led weekly academic workshops to help undergraduate students review and enhance their understandings of engineering general chemistry concepts.
- Fostered collaborative problem solving sessions during class by preparing worksheets and class activities.

**The Coding School**, *Mobile Development and Python Tutor*

**Jun. 2021-Present**

- Organized bootcamps and coding lessons for students interested in mobile development and Python.
- Contributed to the syllabus of the school to help students better apply concepts learned during class.

## PROJECTS

**Image Filtering Tools**, Cornell University, *Python Class Project*

**Dec. 2020**

- Programmed with 1-dimensional and 2-dimensional lists to manipulate images at the pixel level.
- Practiced enforcing class invariants and developing test scripts to improve program's execution and validity.

**Find The Ring**, Cornell University, *Java Class Project*

**May 2021**

- Implemented the most efficient algorithm to help players gain the most points in the game.
- Practiced using various data structures and algorithms to help the player reach the goal within the time constraints.

**Personal Website**, *HTML/CSS & JavaScript Project*

**Jun. 2021**

- Created an interactive and mobile-responsive website using HTML/CSS and JavaScript.
- Practiced frontend development skills by using various CSS features and self-designing the website layout.

## COMMUNITY INVOLVEMENT

**Society of Women Engineers (SWE)**, Cornell University, *Social Media Committee*

**Sep. 2020-Present**

**Association of Computer Science Undergraduates**, Cornell University, *Publicity Officer*

**Feb. 2021-Present**

## SPECIALIZED SKILLS

Programming Languages: Java, Python, R, Kotlin, HTML/CSS, JavaScript