

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

Aug. 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/HTML 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. 2020-Present

SPECIALIZED SKILLS

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