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

PROJECTS

Image Filtering Tools, *Python Class Project, Cornell University*   **Dec. 2020**
- Programmed with 1-dimensional and 2-dimensional lists to manipulate images at the pixel level
- Developed test scripts using white-box and black-box testing techniques
- Practiced enforcing class invariants to improve program's execution and validity

Game Project: Frogger, *Python Class Project, Cornell University*   **May 2020**
- Programmed an animated arcade game implementing OOP and coroutines
- Practiced designing helper functions to ensure code efficiency

Find The Ring, *Java Class Project, Cornell University*   **May 2021**
- Implemented the most efficient algorithm to help player gains the most points in the game
- Practiced using various data structures and algorithms to help player reaches 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

COMMUNITY INVOLVEMENT

Cornell Society of Women Engineers (SWE), *Social Media Committee*   **Sep. 2020-Present**
- Promoted information sessions, career-related events, and outreach opportunities on social media platforms
- Introduced high school women to STEM majors and garner interest in becoming involved in STEM activities

Cornell Association of Computer Science Undergraduates, *Publicity Officer*   **Feb. 2020-Present**
- Organized presentations and workshops to help CS students build technical skills
- Held events each to improve student-faculty relations, friendships, and networks within the CS community

The Coding School, *Mobile Development and Python Tutor*   **Jun. 2020-Present**
- Taught coding lessons and organized bootcamps for students interested in mobile development and Python

SPECIALIZED SKILLS

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