Minh Nguyen

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EDUCATION

Cornell University **Ithaca, New York**
Bachelor of Science Expected May 2025
Major: Computer Science; Minor: Electrical and Computer Engineering

- **Honors & Awards:** Dean's Honor List
- **Relevant Coursework:** Intro to Machine Learning, Intro Analysis of Algorithms, Intro to Computer Vision, Data Structures & Functional Programming, Object Oriented Programming & Data Structures, Intro to Database Systems, Discrete Structures, Embedded Systems, Operating Systems, Robot Perception, Linear Algebra for Engineers, Differential Equations for Engineers, Probability and Inference, Digital Logic & Computer Organization, Introduction to Circuits

WORK & LEADERSHIP EXPERIENCE

KTBYTE **Lexington, Massachusetts**
Computer Science Instructor April 2022 – Present

- Taught classes of 4-8 students (ages 8-16) Computer Science concepts using block-based coding, the Processing IDE, and Jupyter Notebook. Aided students in end of course projects
- Developed core curriculum and problem sets for an introductory high-school level Java course
- Developed core curriculum for an introductory Machine Learning course. The course covers basic regression, classification, decision trees, and validation techniques

Capital One TEIP Intern **McLean, Virginia**
Software Engineer Intern June 2023 – August 2023

- Collaborated with a team of 6 interns to develop frontend components for Capital One's virtual card to work with merchant provisioning features using the Angular framework which led to an integration of current and future merchant pages under a unified collection of components
- Attended daily trainings to learn about Git, React, Go, APIs, SQL, Swift, and AWS

Cornell Mars Rover **Ithaca, New York**
Electrical Sub-team Member September 2022 – August 2023

- Collaborated with 40+ engineers to build a rover to compete in the University Rover Challenge
- Designed and soldered PCBs to control 2 general use servo motors
- Used C++ and the STM32 IDE to develop multi-use servo control with CAN communication

Johns Hopkins University Applied Physics Lab **Laurel, Maryland**
High School Intern, Space Exploration Sector September 2020 – May 2021

- Worked directly under Dr. Edward Gaddy to analyze data from the Parker Solar Probe's solar arrays
- Created an improved prediction model that accurately normalizes the differences in the data caused by shadowing of the instruments, orbit position, and angle to the Sun

SKILLS

Languages: Fluent in Vietnamese and English
Technical Skills:

- Proficient in Git, Java, JavaScript, C++, Python, Swift, OCaml, Angular, React, CSS, and SQL
- Proficient in microelectronics
- Basic understanding of MatLab and Full-Stack Development
- Proficient in Autodesk Inventor and Autodesk Eagle