

# Mathematical Autobiography

Nam Nguyen

September, 7<sup>th</sup> 2007

I'm Nam Nguyen. I was born and grew up in Hochiminh city, Vietnam where I studied high school and also my undergraduate program which major in Mathematics and Computer Sciences, especially in Data hiding in an image. In 2007, I received my BS at National University of Natural Sciences with Very good result. Afterwards, I worked as an ActiveX developer in FPT Software Company. Now I'm a first year Master student in Computational Track which is offered by Mathematics Department, Ohio University.

At high school, I was taught basics in Algebra (Modulus, Fermats Theories, Gausss Theory, etc), Polynomial, Sets, Functional Equation, Vectors and Calculus, etc. From that moment, I was attracted by Mathematicss beauty and loved to explore Mathematicss problems and its applications.

At university, I learned and got good results in many topics and courses such as: Matrices, Linear Algebra, Topology, Discrete Mathematics, Functional Analysis, Statistics I prefer doing mathematical applications to learning pure mathematics and that mathematical knowledge gave a great support to my major, Computer Sciences (CS).

During my study at university, I joined in some small projects in CS such as: Research in cryptographic algorithms and methods for encoding data and information (DES, IDEA, SAFER, RSA algorithms- A project in Theory of Information Cryptography course) and Research in facial information extraction and data hiding in fingerprint image (Final thesis). From these small projects, I realize that Mathematics plays a great important role in CS research and when we integrate computer's power with mathematics, many problema can be solved easier.

In my graduate study at Ohio University, I want to improve my skills in both Mathematics and CS by doing practical researches and that is the main reason why I want to join in Dr. Martins research group.