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*Applied and Computational Mathematics,
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Statement Of Purpose

On my career plan, I hope to work in Computer Labs as research scientists or be a professor in university. After accumulating enough research experience, I will consider turning into Management field or a consultant. If I have enough resources, I'll try to create my own business.

Absorbing new technologies is always a pleasure to me. Since I like to be ahead of others in knowing new technologies, so I choose to study further. Studying abroad has been my dream since I was in junior high school. And I think contacting with the whole world broaden one's view.

On the road toward my goal, first of all, I wish to get at least a master degree on Applied and Computational Mathematics, then I will pursuing another degree on Computer Science, or other related fields. While I study further in the field of Applied and Computational Mathematics, I hope to implement my ideas in the best environment, including a good studying atmosphere, the best faculties, superior students, and good computing facilities. I choose your department because I think you offers the best environment based on those conditions.

For helping to achieve my final goal of study the field, books, papers and source codes will be the main resources I use. I'll like to improve my programming skills and experience by writing more programs. In the rest of this statement, I'll show you that I am well prepared for entering your department to pursue for a degree on Applied and Computational Mathematics.

During high school, I spent most of my time on extracurricular activities. I joined Forensic Art club, Student Association, Mathematics club, and Graduate Students Association. I was awarded the honor for "Excellent performance in group life training" when I graduated from my high school. I entered Mathematics Department of National Central University. For broadening my knowledge, I chose courses in different areas of Mathematics and Computer Science. These courses ranges from Analysis, Algebra, Topology, Differential Equations to Wavelet and Fuzzy in Mathematic area, and Data Structure, Network, Assembly Language to Security in Computer Science field.

Working is my main source of learning. I worked in the Mathematics Computing Labrotary as a System and Network Administrator for 3 years. I was in charge of 4 Sun workstations, 1 DEC Alpha, and 40 PC. I established our WWW server in both Chinese and English, a collection about the Math resources on the web, which is the first and the best one in Taiwan. The editor of "HopeNet CD-ROM Monthly" found my article on the network and then invited me for writing columns introducing newest technology of WWW, which lasted for 14 months until I entered the army. I also work for the "College Entrance Exam Center", teaching WWW and HTML, and developed some Web-based remote database system, like "Exam result query system".

As an active character of Taiwan Academic NETwork (TANET), I contributed a lot during college years. The FTP server of my department is the first CPAN mirror site in Taiwan, which I maintained. I also maintained a Perl resource homepage written in Chinese. I have translated Xanadu FAQ into Chinese, while Perl FAQ is still being working on. I am the first who introduced HyperNews for TANet users. More than 400 articles posted or followed on different network newsgroups. You can refer to my resume attached for works I did. After I graduated, I joined the army. I served in the Data Processing section of Management Information Center in Headquarter of Combined Service Forces. My job is administrating TCP/IP network, IBM RS/6000 workstations and Netware servers. I teach Unix and network. I am also responsible for maintaining their Web server. I established their DNS, DHCP, FTP and E-mail services using a few PCs running FreeBSD. Lately, I joined a logistic information system project, offering advice on network architecture and administrating Oracle database.

I have taken different courses on Numerical solutions to Differential Equations, Ordinary Differential Equation, and Wavelet. Fractal and dynamical system has been my interest since the last year of my high school. I also have strong background on Unix, database and Network and experience on writing articles for magazines. My main areas are Complexity, Fractal, and Cryptography.

Sincerely Yours,

Dec. 16th, 1997.