

## Scholarship Statement for Hiroshi Fujinoki

There are two different motivations in conducting research for me. The first motivation is my personal instinct in developing something new that can help other people in the field I am interested in. I am personally interested in efficiency in computer networks. While I was a Master's student, I learned that utilization of computer network is usually very low even while a network is heavily congested. What I learned was that this inefficiency is essentially due to miss-design in network software, software that manages resources in computer networks. Since then it became my main interest to think of how we can improve the efficiency in usage of resources in computer networks. I have been working on many different subjects in computer networks, but this philosophy remains unchanged as the common denominator for all the subjects I have been working on. The reason why I think improving efficiency of network resource is important is because I believe that helps end users. If network resources are not efficiently utilized, the cost of the product will stay high. If price stays high, the technology may not be available to many people. I do not think that's what technology is for. Technology should be the one that improves people's daily life. That would be my answer if someone asks me why I would like to spend my time for search.

The other motivation in doing research is because I would like to keep learning and to show how I am learning to my students in the classrooms. I mean, I would like to share my excitement for learning with my students. By introducing my research projects to the students by describing how I found a problem for a project, how I tried to develop a solution and how I proved the benefits in the solutions I developed, I believe I can show how I am learning to my students in the best way. The main reason I would like to share my excitement for learning is because I believe that the feeling of excitement is the ultimate and most probably the only drive that keeps a student to continue to learn even after a student graduates from SIUE. I do understand that the reasons students study at SIUE are different for everyone. However, I wish at least someone whom I taught sees how fun learning is by the time he/she leaves SIUE. I do not want SIUE to be the place just for degree, but to be the place that can change a student's life.