

# HyungGoo Kim

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## Education

- Aug 2008-present Ph.D. student, Brain and Cognitive Sciences, University of Rochester, USA  
Mar 2005-Aug 2007 MS, Neuroscience Program, Seoul National University, Seoul, Korea  
Thesis: Information of Movement Direction in the Saccade-related Neural Activity of the Monkey Primary Visual Cortex  
Mar 1998-Feb 2005 BS, Computer Science and Engineering, Seoul National University, Seoul, Korea  
Thesis: Simulation of Central Pattern Generator neural network using GENESIS.  
Mar 1995-Feb 1998 Seoul Science High School, Seoul, Korea

## Conferences

- H. Kim, J. Lee, C. Lee, Information of saccade direction in postsaccadic discharge in the primate V1 neurons, SfN 2007  
J. Lee, H. Kim, C. Lee, Roles of neural activity in the monkey V1 for saccadic response time variability, SfN 2007  
T. Kim, H. Kim, C. Lee, Response selectivity of V1 neurons for spatiotemporal sequence of stimulus orientation, SfN 2007

## Honors and Awards

- Mar 1999-Feb 2005 Undergraduate Scholarship, Korea Foundation for Advanced Studies  
Nov 2002 Search Formula-1, "The Very Best Software Product", Korea Software Award 2002

## Professional Experience

- Sep 2004-present Research student and program developer, Eye Movement & Vision Lab, Seoul National Univ.  
Made visual neurophysiology system in alert monkey: Receptive field mapping, spike sorting, eye and monitor calibration  
*Programs are coded in MATLAB. Snapshots and source codes are available in my home page*  
Aug 2001-Aug 2004 Researcher, Korea WISENut  
Made indexer, storage system for intelligent search engine in Win32/Unix platform.(C++)  
Jul 1999-Mar 2001 Part-time security service engineer, SNAGs computer security group  
Recovered cracked computers and instructed system administrators in the university.  
Mar 2001 Lecturer, instructed Computer and Network Security in Linux, System administration seminar  
Mar 1998-Mar 2001 Tutor, taught mathematics and science to 4 high school and 1 middle school students

## Social Activities

- Mar 2000-Mar 2001 President, Systems and Network Administration Group in Seoul National University (SNAGs)  
Operating systems, security research group supported by the University Computer Center.

## Memberships, Skills and Qualifications

- Society for Neuroscience (student member)
- Research Tools: MATLAB, SPSS
- Computer Languages: C/C++ (STL, Win32/Posix), JAVA, ASP, PHP, JSP, Perl, L<sup>A</sup>T<sub>E</sub>X
- Development Tools: Visual UML, Rational Rose, Cygwin, CVS, Visual Studio
- DBMS & OS : Oracle, MSSQL, Mysql, ODBC and JDBC, Linux, Solaris, AIX, FreeBSD
- National Certificate of Information Processing (1st Class)