WING always has a number of projects that are open. Here is a list of projects that are currently available for students at all levels to take on. Use the left-hand side menu to select the appropriate level for prospectives.

**Post doctoral research positions available**

The Web, IR / NLP Group (WING) at the National University of Singapore (NUS) has two vacancy positions for outstanding postdoctorate fellows (2 years) in the fields of Information Retrieval and Natural Language Processing. The position is part of a new, multiyear, multigroup project on media search. The successful applicant will work with graduate and have the opportunity to co-supervise undergraduate students, and will focus on one of two open areas:

- **Website quality analysis**;
- **Semi-structured and Web document understanding and processing**.

The applicant should have a Ph.D. degree in Computer Science and should have a set of published works in related web, information retrieval (IR) and/or natural language processing (NLP) conferences. The ideal applicant will also have strong computational modeling and/or algorithmic skills. Knowledge and experience in additional areas such as statistical data analysis, data mining, signal processing, machine learning and pattern recognition, and other topics in artificial intelligence are desirable.

Conditions for applicants:

- Doctoral thesis less than one year old (Oct 2006) or being defended before end of 2007.
- No nationality requirement.

Applications should include a letter of motivation, a curriculum vitae, and at least two referee letters in English. should be sent to Min-Yen KAN < kanmy@comp.nus.edu.sg >, with the subject line "WING Postdoc Application". Screening of applications will begin immediately and continue until the position is filled. An initial appointment for a one year term is anticipated with the possibility of reappointment.

Salary will be commensurate with qualifications and experience. Starting salary for the positions will be around 60,000 SGD per annum.
Graduate Student - Ph.D. / GP / MComp (Research)

If you're interested in becoming a WING member as a graduate student, please contact Min directly by email or come to his office hours. Our group tries to take 1 to 2 PhD students per year. Topics are usually mutually agreed upon and will contain elements of NLP / IR / Web and/or DL research. Students are encouraged to co-supervise undergraduate projects, go for industrial or academic internships and teach to get a well-rounded graduate education and experience. Students from our group have gone to Columbia University, Google and Microsoft Research for internships.

MComp (by research) students may also elect to join our group for a one year thesis opportunity. Please read the criteria below for undergraduate students for details and requirements (specifically for our group).

Note that our group is not the only group advising students on such research projects within NUS SoC. You may want to check out possibilities with our NUS collaborators.

Undergraduate Research - SIGs / UROP / HYP

Undergraduate students are also an integral part of WING. WING projects and mentorships prepare students for a graduate research career in NUS or abroad. First and second year students should consider joining the Special Programme under the SIG.IR, SIG.ML or SIG.NLP groups, to get rigorous research training and introductory graduate-level understanding of the information retrieval, machine learning and natural language processing areas.
Third and fourth year students can also participate as part of their UROP or HYP experience. Such year long projects usually require CS3243 - Foundations of Artificial Intelligence and CS3242 Hypermedia Technologies as a prerequisite. Other coursework, such as Natural Language Processing, Machine Learning and Human-Computer Interaction, may also be useful in certain projects. Those interested in bidding for such projects should keep an eye on the project administration system in MySoC to find currently available projects. Interested students should read the references for each project and then must make an appointment to discuss the project with Min before bidding. If selected, you would need to work closely with Min and/or a senior graduate student or postdoc. You might want to also read Min's notes on HYPs and UROPs for understanding the expectations and grading criteria for such projects.

Note that our group is not the only group advising students on such research projects within NUS SoC. You may want to check out possibilities with our NUS collaborators.

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**System Administration**

*(Feb 2008)* We are currently at our full capacity for SAs, but if you are very interested and satisfy all of the prerequisites please contact us.

Do the phrases "computer hacker", "Undergraduate CS or CE major", "linuxhead" describe you? Do you know what the differences between "Red Hat" and "Fedora" are? Or do you want to learn more about Linux with some hands-on experience?

If so, you may be interested in becoming a systems administrator for my group. I'm looking for a student assistant to do systems administration for a cluster of four computers, including one large terabyte disk array.
We are looking to employ a student part-time over the next two to three years. If you're looking for a steady stream of income and have a bit of time to devote to administering computers, this may be the job you're looking for!

**Requirements:** 5 hr/wk, minimum CAP: 4.0. Prefer a first or second year SOC student. Some Linux experience required, but enthusiasm and hacker spirit a must! Windows experience not required. Self-study.

**What you'll learn:** Apache web server and CGI, Fedora Core 2 system administration, shell scripting, intrusion detection and Linux software compilation and installing (RPM, make, ant). Great food for your resume and CV.

**How to apply:** Make an appointment with Min for details.

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**System Programmers**

We also have multiple vacancies for outstanding research assistants to work on a digital library project for 3 years, as part of a new, multiyear, multigroup project on media search. The qualified applicant will be working on engineering a large-scale scholarly digital library for an archive of freely-available scientific publications in the field of computer science and for archiving Singapore's institutes of higher learning research outputs.

The candidate will get hands-on training with cutting-edge research in Information Retrieval and Natural Language Processing. The successful applicant will work with the group leader, postdocs as well as undergraduate and graduate students.

**Requirements:**

The applicant should have a diploma or degree in a field related to Computer Science and should possess strong coding skills for web related development under a Linux, Apache, MySQL architecture. The position requires familiarity and skills in constructing web services, fluency in HTML/DOM parsing.
The ideal candidate will also possess the following desirable traits:

- Enthusiasm and initiative
- Experience with Linux hacking
- Ruby, Ruby on Rails, Perl and/or Python experience
- Singapore or SPR resident
- Be able to start work within 1-6 months

The candidate will enjoy a job that has:

- Flexible working hours and location
- Training with cutting edge technology
- On-the-job learning of research in Information Retrieval and Natural Language Processing
- Possible conference travel and training benefits

Applications should include a cover letter and a resume, with a list of at least two referees (who will be contacted). This information should be sent to Min with the subject line "WING Research Assistant Application". Screening of applications will begin immediately and continue until the position is filled. An initial trial appointment for a year is anticipated with the possibility of reappointment.

Salary will be commensurate with qualifications and experience. Starting salary for the positions will be around 2.5K-3.0K SGD per month.

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**WING Evaluation Subject Pool**

If you have any free-time feel free to join our evaluation pool. Periodically we will send out notices to the WING-eval_mailing_list announcing new evaluations that require human subjects. Subjects are paid between 8 to 15 dollars an hour for their participation in evaluations. See the evaluation_page for details about
current and open evaluations.

Internships with WING

Undergraduate and graduate interns are occasionally hosted to work with WING staff. Due to funding limitations, only excellent interns with financial support will be considered. Note that we receive a lot of unsolicited internship requests (especially from Indian students). To ensure that you receive due consideration, please mention "WING internship" in the subject line and include your CV/resume in plain text in your email.