Next-generation Operating Systems Lab

Starting at NOSLab

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Starting guide

- Create your account and personal web page

  - Please use your English name rather than nickname for your official account

  - If you don't have a personal web page, then create it based on Github and create a link for the personal web page in the People page

- Share your information to Prof. Donghyun Kang

  - Account
    - Slack, Git, Overleaf, Google, Dropbox
  - Other
    - Personal phone number
    - Time table of every semester

Setup

- We give you two desktop machines and three monitors for just research

- Setup your desk and machines
  - Install Linux machine based on Ubuntu (not up-to-date version)
    - https://ubuntu.com/download
  - Install Windows machine (optional)
  - Set up your network environments

- Install tools for research
  - Install a LaTeX distribution on your machines
  - Install the gnuplot or matplot to make a graph on Linux machine
  - Install tmux, ctags, cscope on Linux machine

Reading seminar

- We have a regular meeting to keep the up-to-date theories or methodologies from the paper that you read (about 1 hour every other week)

- Please find a paper what you will read and update relative information of the paper to the Reading Seminar page

  - You should share the paper to Prof. Donghyun Kang 5 days before the update

Reading seminar

- Guide for reading a paper

  - Start by reading only the conclusion, scanning figures & tables, and looking at their references

  - Watch presentation video and slide on the website

  - Read the paper and skip the sections that you already understand

  - Find worth reading

    - What problem are they trying to solve?
    - What is their approach?
    - How is it different from other approaches?

  - Summarize what you have read

    - Key problems, relationship among the various approaches, and alternative approaches

  - Make slide for presentation of seminar

Research meeting

- We have a regular meeting to give you research motivation and to make research progress (about 1 hour every other week)

- Prepare for your research meetings

  - List of topics to discuss

  - Plan for what you hope to get out of the meeting

  - Summary of you have done since your last meeting

  - List of any upcoming deadlines for submitting conference or journal

  - Notes from your previous meeting

Feynman Algorithm

- Write down the problem.

- Think real hard.

- Write down the solution.

Minimum requirements for NOSLab students

- Ph. D. degree

  - International conference / SCI journal papers (co-author) : 5 publication

  - Minimum requirements for Changwon National University

- Master degree

  - International conference / SCI journal papers (co-author) : 2 publication

  - Minimum requirements for Changwon National University

- Undergraduate intern (summer / winter)

  - You should join every seminar and research meeting with a presentation