

# 研究所新生面談

# 學生自我介紹

- Talk about yourself
  - What is your rank in the entrance exam?
  - What is your undergraduate study?
  - Where do you come from?
  - What is your senior project?
  - What are the programming skills you have?



# 研究領域：軟體工程

- What is software engineering?
  - Software engineers (developers) are in high demand
  - Building a dog house  $\Leftrightarrow$  101
  - Large software

*Keeping software soft.*

會寫程式的人常常以為自己很厲害、很會寫code，但是其實寫程式不等於開發軟體、會開發軟體不等於會設計軟體、可執行的軟體不等於高品質的軟體、十個人一起開發軟體不等於十倍的生產力。我們實驗室專攻“軟體工程”，目的是引領會寫code的人做良好的軟體設計，實踐軟體工程實務，成為更優秀的軟體開發人員，讓軟體好擴充、好維護、好修改，成為真正的“軟”體。

# 研究領域：軟體工程

- Our research topics are **rolling**
  - Some current research results for **reference** (demo)
- Our emphasis
  - Both **academic importance** and **working software**
  - Development **process, practices, and skills**



# 研究能力發展

- Research
  - Understand research problem
  - Related **literature review**
  - Propose methods (for the research problem)
  - Software design and implementation
  - **Evaluation** (experiment)
  - Writing (thesis and paper)
  - **Presentation**

# 實驗室日常

	<b>Taking courses</b>	<b>Group meeting</b>	<b>Initial research</b>	<b>Research</b>	<b>Individual meeting</b>
1 <sup>st</sup> year/1 <sup>st</sup> semester	V	V			
1 <sup>st</sup> year/winter		V			
1 <sup>st</sup> year/2 <sup>nd</sup> semester	V	V	V		
1 <sup>st</sup> year/summer		V		V	V
2 <sup>nd</sup> year/1 <sup>st</sup> semester	V	V		V	V
2 <sup>nd</sup> year/winter		V		V	V
2 <sup>nd</sup> year/2 <sup>nd</sup> semester		V		V	V
2 <sup>nd</sup> year/summer		V		V	V



# 獎助金

- MOST research assistant
  - Priority is to given to **second-year** students
- Teaching Assistant
  - A **learning** opportunity with a little extra pay
  - Priority is to given to **first-year** students
- Industry Projects/MOE projects/Internship
  - Depends
- Part-time job
  - Part-time jobs are **NOT allowed** unless you have a financial need and also let us know

# 加入實驗室的條件

- You are required to write homework#1 of POSD course
  - Upon **request**, we will mail you the problem set; you are expected to complete the program in **two weeks**
  - Your code is evaluated based on
    - Understanding of **object design**
    - Code **readability** and **maintainability**
    - Understanding of **design patterns**
    - **Exception handling**
  - Offer suggestions for the preparation that is necessary before entering our lab



# 其他

- Have you met senior members of our lab?
- Are you waiting for an admission from any other graduate school?
- Q&A