Stepping into the Students' Shoes: A Pedagogical Reflection

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Acknowledgements

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- Colleagues in Computing
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        - Institute of Technology
        - IT Program
        - Information Technology Department
        - IAS Teaching Forum, iTech Fellows, UWT SEED, ……

Who I am as a Professor

- I like to see my students' because it means that......

  – They are learning a lot in my class
  – They know that I care about each of them

Thinking from Students' Perspectives

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Quote

- To be a teacher, we have to be a child first. (Mr. Tao Xingzhi)

    – Use our students' feelings to feel

    – Think in through the mindsets of our students

    – See what our students see

    – Use our students' emotion to experience

Who Are My Students? What Are Their Needs?

UW Tacoma Student Demographics

- Gender
  - 54% Female, 46% Male
- Ethnicity
  - 44% Caucasian, 20% Asian American, 11% Hispanic/Latino, 10% African American, 7% International students, 2% Hawaiian/Pacific Islander, 2% American Indian
- First-generation students
  - 64%
- Veterans students
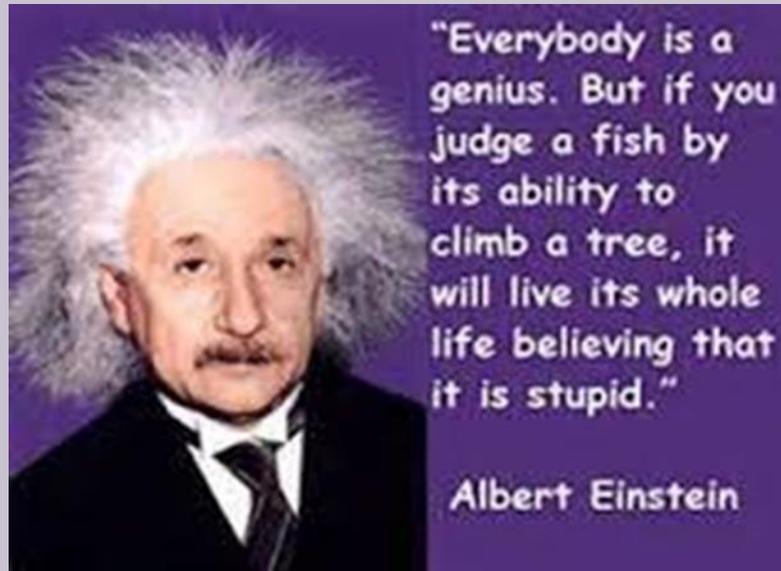 - 10%

Curriculum Development

- Develop hands-on activities
  - I hear and I forget. I see and I remember. I do and I understand. (Confucius)

Curriculum Development (Cont'd)

- Connect to real-world applications

Individualized Teaching

Give students a stage,
they will surprise you in return....

Beyond the Classroom Teaching...

- Advising
    - Internships, Independent study...
    - UW Tacoma Grey Hat
        - *Pacific Rim Collegiate Cyber Defense Competition*. (*PRCCDC*)

Mentoring

- Build students' confidence about their potential for academic and future career success.

" I feel *my single most beneficial experience in the program was when I was given the opportunity to publish a research paper in the area of privacy assurance in eHealth 2.0 social networks, thanks largely to Dr. Yan Bai's sponsorship.* This really helped to solidify several of the concepts I had learned while in the program, adding the all-important context to the theory, while allowing me to innovate and build leadership skills. **I feel this to be a large contributing factor in my ability to later get a job at Google as an Internal Technology Resident.** I'm currently still at Google, working as a Corporate Operations Engineer, and lead several large internal support initiatives, which allow me to travel the world. "

- To teach effectively, a reflection is a must
  - *On Learning in the Book of Rite*