



WISC Panel

Women Servicing Women in Computing and
Beyond



Self Introduction

- **Name: Zhi Jin**
- **Affiliation: Peking University, China**
- **Research Areas in General:**
 - **Knowledge Engineering and Requirements Engineering**
 - **Artificial Intelligence for Software Engineering**
- **Specificity in Service Computing Area**
 - **Since 2005**
 - **Main Research Area: Service Specification**
 - **Focus : Environment Modeling based Approach**

Question: How to attract more women to the field of services in computing

- Show them the female models

- **Ada Lovelace:** The world's first computer programmer.

- She had **the foresight to program a computer** that hadn't yet been built! She accomplished even more **with her vision of what computers could eventually do**

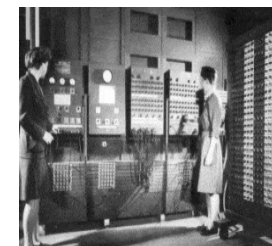
- **Jean Bartik:** women mathematicians were hired as “human computers” to calculate ballistics trajectories

- She learn how to program the ENIAC without any guidance. She **worked tirelessly to study schematics** and interview the engineers who built ENIAC in order to **teach herself the required skills.**

- **Grace Hopper:** the most influential woman in the early days of computers and software engineering. Created one of the first compilers

- **Margaret H. Hamilton:** developed on-board flight software for the Apollo space program

- She and some others have been called the “mothers of software engineering”



Encouragement

You can, and you
will be great



Question: What are some self-promotion strategies that you have used to help advance your career

- Choose a suitable field / friendly
 - Field: Interesting, has basis, have expertise
 - Team: Female Friendliness
- Be focus, persistence and stay enthusiastic
 - Time Related: Family responsibility and career development
 - Have to focus and persistence
- Maintain a safe haven and find a balance
 - Family is most important
 - but career development is necessary
 - Self Care Strategies: Set a mini-goal for yourself to have something more achievable and within your control as a measure of success, self-encouragement





Question: What are some of the challenges that women in services computing are facing

- This is a changing area
- The Techniques are developing very fast
- That is why
 - Should be focus, persistence and stay enthusiastic
 - Choose to work in the areas that you have basis, have expertise
 - Don't change the research directions frequently

Question: What are your thoughts about how this pandemic will change the future of service computing

- Service computing will be much more important
- More and more services are deployed within the physical world and human society
- Service design should be
 - Human centric, Human value centric
 - To make the services more reliable, more efficient, more friendly, being situation-aware, being smart,.....

The time? the location? what are they doing? What is happening?

Then, make a plan to deliver services

