INFORMATICS EUROPE

18th European Computer Science Summit

WIRE-EUGAIN WS - "Attracting & Retaining Female Students from Bachelor and Master to PhD"

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Session 5. Young Researchers

My Path in Computer Sciences

Who am I?

- An academician at a state university in Turkey
- BS Degree, 2010 CEIT
- MS Degree, 2015 CEIT
- PhD Degree 2021 CEIT

Study fields

- Instructional design
- Self-regulation
- Human computer interaction
- Human performance technology

Projects

- EUGAIN WG4
- REMO WG2, WG3

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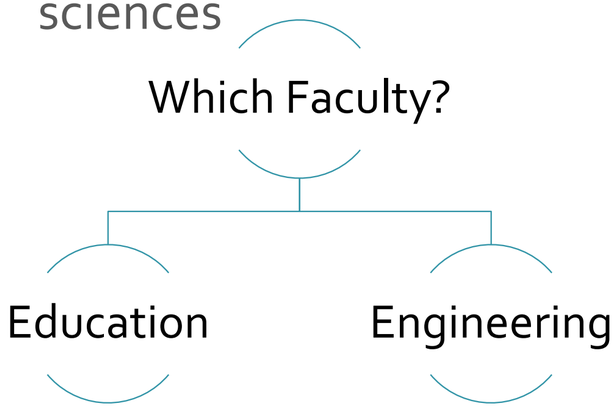
My Path in Computer Sciences

Before Undergraduate Education

- A child & teenager eager to learn technological tools
- Strong belief and confidence that "I could do the work that men do!"
- Decided to study computer sciences



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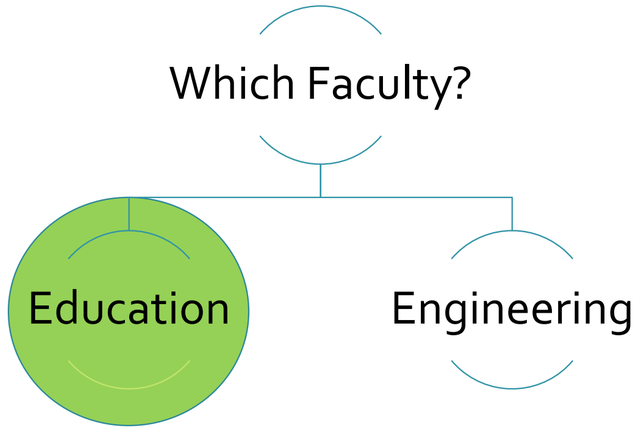
My Path in Computer Sciences

Undergraduate Education

- Collectivist society, sharply defined roles for genders
- Suggestions of inner circle
- Decision: Computer education and instructional technology field



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My Path in Computer Sciences

Undergraduate Education: Problems Starting to Emerge

- Being very inexperienced in software related topics
- No sufficient answers received to requests for help
- Decrease in self-efficacy

«Don't give me the fish but teach me to fish»

My Path in Computer Sciences

Graduate Education

As a graduate student

- Stayed away from software for a while
- OK with the previously acquired knowledge
- Until the mobile app I will be developing as part of my PhD
- Mobile app? New challenge :S

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As a teaching assitant

- Observations in database, programming, etc. courses
- Low self-efficacy of women students
  - Reserved
  - Feel inadequate
  - Give up easily
- More support for them

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Mobile App Development Process

My Path in Computer Sciences

- Almost no knowledge
- Low self-efficacy
- Fear of failure
- Time pressure

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My Path in Computer Sciences

Mobile App Development Process

- Hiring a web developer for a while
- Timing issues
- Insufficient arrangements
- Technical problems
- Unmet expectations

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My Path in Computer Sciences

What were the Alternatives?

- Use of cloud-based web development services
- Ready-to-run apps
- Website – mobile app converter
- Expert support

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My Path in Computer Sciences

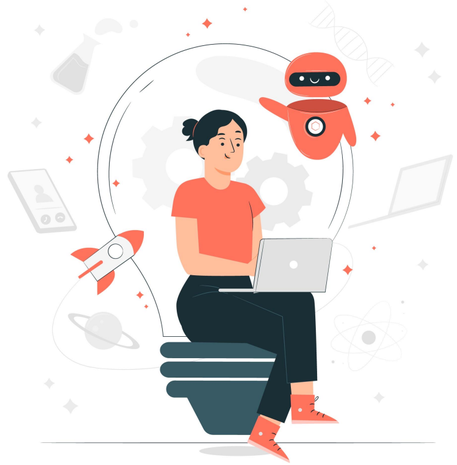
Plans for the Near Future

For Me

- Learning bootstrap (Already started ☺)
- Bring the mobile or web-based intervention programs to the optimal level

For My Students

- Focusing on prevention and alleviation of low computer self-efficacy



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My Path in Computer Sciences