

Mohammed Alburaiki

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EDUCATION

Carnegie Mellon University, School of Computer Science	Pittsburgh, PA
Master of Educational Technology and Applied Learning Science (METALS)	Aug. 2018
Pennsylvania State University, University Park	State College, PA
Bachelor in Computer Engineering Minor in Entrepreneurship	Dec. 2011

ACADEMIC PROJECTS

Formative Assessment Platform Improvement | Capstone Jan. 2018 - Aug. 2018

- Participated in conducting a literature review to inform the design to identify different type of teachers and how to guide them to the ideal usage of the platform
- Led qualitative research, focusing on interviews and contributed to synthesizing findings through an affinity diagram
- Contributed to ideation through storyboarding and synthesis to identify teachers' biggest need
- Developed the user testing protocol and led testing the different levels of prototypes

French Literacy through Interactive Voice Response (IVR) | Independent Study Jan. 2018 - Aug. 2018

- Conducted a literature review to identify gaps in previous research in using IVR as medium of learning, particularly literacy in rural where users only have access to feature phones
- Participated in identifying a wide range of user interactions through storyboarding
- Developed an IVR prototype to validate user interaction through field testing
- Conducted a competitive analysis for games that teach literacy and phonetics
- Contributed to field data analysis and iteration of the prototype based on findings

E-Learning Entrepreneurship Module Oct. 2017 - Dec. 2017

- Created pre and post assessment and measured learning gains for entrepreneurial concepts
- Analyzed results from participants and iterated based on qualitative and quantitative feedback
- Validated questions quality and difficulty through cognitive task analysis methods
- Developed module content guided by learning science principles

10-hour French Phonology Unit (5th grade) Oct. 2017 - Dec. 2017

- Followed a backward design method to develop the curriculum for 5th graders to learn French
- Guided the curriculum design with learning science research and principles
- Developed a learning model called "Big Ideas" to ground the development of the curriculum

PROFESSIONAL EXPERIENCE

Saudi Aramco Dhahran, Saudi Arabia **Business Incubation Developer** 2014 - 2015

- Developed and delivered introductory entrepreneurship workshops
- Led multiple projects engaging with different entrepreneurial entities
- Co-created and managed a 10-week business accelerator program
- Coached incubatees to develop their ideas to full-fledged businesses

Business Development Analyst 2013 - 2014

- Evaluated, reviewed, and provided feedback to entrepreneurs on their business plans
- Conducted screening interviews with potential entrepreneurs
- Earned a Lean Six Sigma Green Belt by optimizing the Venture Capital funding process

IT System Analyst 2012 - 2013

- Contributed to developing a Service Level Management Unit
- Presented in several awareness campaigns regarding IT security

SKILLS

Languages: Arabic (native), French (good command)

Concepts: Mind-Mapping, Storyboard, Affinity Diagram, Personas,

Tools: Balsamiq, Invision, Weka, Twilio