PERSONAL STATEMENT

I am a highly creative, enthusiastic, well-organized computer programmer and video game developer with a strong background in education and the process of instructional design. My long-term goal is to change people’s lives, including mine, by taking advantage of the powerful capacity of video games to develop creative game-based learning environments and integrate these games into a new educational paradigm that is called Education 3.0.

Please contact me for the most updated CV.

KEY SKILLS

❖ Programming Languages
  o C
  o C Plus Plus
  o C Sharp
  o High-level shader language (HLSL)
  o SQL
  o Basic / Visual Basic
  o HTML
  o Java /JavaScript
  o PHP

❖ Software Design
  o UML
  o QA: Dynamic
  o QA: Static

❖ Software Packages
  o Video and Image Editing
    - Sony Vegas
    - Photoshop
    - Adobe Premiere
    - After Affects
    - Ulead Video Studio
    - Final Cut Pro
  o 3D Graphics Software
    - 3D Max
- Maya
- Strata
- Daz 3D
- Blender

○ **Graphic Engines and Tools**
  - OpenGL
  - DirectX
  - Unity 3D
  - Unreal

○ **Web Design Tools and Software**
  - Dreamweaver
  - Flash
  - FrontPage
  - WS_FTP Pro
  - Coding using text editing tools

○ **Database Management Software**
  - Microsoft Access
  - SQL Server 2008
  - MySQL

○ **Statistic Software**
  - SAS
  - R/ R-Studio
  - SPSS

○ **Educational Tools and Authoring Software**
  - Lectora
  - Authorware
  - Desire2Learn
  - Blackboard

○ **Revision Control System**
  - Perforce Software

○ **Hardware Programming**
  - MS. Kinect 1, 2
  - Oculus Rift
  - Leap Motion
  - Vive
  - Robotics
  - Electroencephalography & Brainwaves Control
  - Tablet App Development
  - MS. Kinect 1, 2

○ **Artificial Intelligence**
  - Machine Learning & Agents
  - Artificial Neural & Perceptron
  - DNA inspired Algorithms

○ **Office Application**
  - Microsoft Office
EDUCATION

- **PhD. Curriculum and Instruction (01/2014 – 8/2018)**
  - GPA: in progress (out of 4:00)
  - School Name: Purdue University
  - Location: West Lafayette, Indiana, U.S.

- **MS. Instructional Design and Technology (IDT) (01/2012-12/2013)**
  - GPA: 4.00 (out of 4:00)
  - School Name: Western Illinois University
  - Location: Macomb, Illinois, U.S.

- **BA. Computer Science Education (2005-2009)**
  - GPA: 4.80 with First Class Honors (out of 5:00)
  - School Name: University of Tabuk
  - Location: Tabuk, Saudi Arabia.

AWARDS & EDUCATIONAL ACHIEVEMENTS

- Received the **AECT Linear Learning Award [First Place]**- 2018
- Received the **Dean’s Doctoral Scholarship/ Award**– 2018
- Won the **AECT-3MT Competition [Grand Prize Winner]**– 2017
- Received the **AECT Immersive Learning Award [First Place]**- 2016
- Received the **Frank B. DeBruicker Graduate Scholarship/ Award for research achievements** - 2016
- Inducted into the **Pi Lambda Theta**- 2015
- Inducted into the **Golden Key International Honour Society**- 2014
- Inducted into the **Honor Socitiy.org**- 2014
- Inducted into the **Honor Society of Phi Kappa Phi**- 2013
- Received the **Prince Fahad Award for Scientific Excellence** - 2009

PARTICIPATION

- Finalist in the Serious Games Showcase & Challenge – The World's Largest Modeling, Simulation, & Training Conference (I/ITSEC) - 2014. [Link](#)
- Serious Beta/Near Release Runner Up in the 2015 MassDigi Game Challenge. [Link](#)

RESEARCH

- **Selected Publications**

  Alshammari, A. N. (2018). *She is a computer scientist: a quantitative comparison between the effectiveness of game design studios and robotics at enhancing women's learning of, self-efficacy in, attitudes toward, and domain identification with computer science.* (Dissertation). Retrieved from ProQuest Dissertations & Theses. (No. 10843780)


**Book Chapters**


**Proceedings**


States: Association for the Advancement of Computing in Education (AACE).

❖ **Ongoing Research**


❖ **Peer Reviewed Conference Presentations**


cross-disciplinary projects in an experimental educational software design course. Association for Educational Communications and Technology (AECT) 2016 Summer Research Symposium, Bloomington, IN.


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<thead>
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<th>Submitted or In Review</th>
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<th>Applied Projects</th>
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<th>Workshops &amp; Symposium</th>
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| **Alshammari, A.** (2019, February 27). *Serious Game Design and Development.* Global Educational Supplies & Solutions, Dubai, UAE. |

| **Alshammari, A.** (2017, September 19). *Game Design Studio.* A 4-Week Long Workshop at Purdue University, West Lafayette, IN. |
| **Alshammari, A.** (2017, September 19). *Coding and Robotics.* A 4-Week Long Workshop at Purdue University, West Lafayette, IN. |
| **Alshammari, A.** (2017, October 1). *Educational Game Design.* Workshop at Purdue University, West Lafayette, IN. |

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<tr>
<th>POSITIONS</th>
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<tbody>
<tr>
<td>❖ Dean of E-learning and Distance Education (2019-Present).</td>
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<tr>
<td>❖ Director of the Curricula and Study Plans Administration – University of Tabuk (2019-Present).</td>
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<tr>
<td>❖ Vice-Dean of E-learning and Distance Education (2018-2019).</td>
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<tr>
<td>❖ Supervisor of the Academic Affairs Unit at Faculty of Education and Arts– University of Tabuk (2018-2019).</td>
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<tr>
<td>❖ Consultant to Vice Rector for Academic Affairs– University of Tabuk (2018-2019).</td>
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<th>EMPLOYMENT</th>
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<tbody>
<tr>
<td>❖ Assistant Professor (2018 – Present)</td>
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<tr>
<td>o <strong>Location</strong>: Department of Curriculum and Instruction at Faculty of Education and Arts at University of Tabuk.</td>
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<tr>
<td>o <strong>Tasks</strong>: Instructing future computer science teachers by providing them with preparation, guidance, and support.</td>
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<td>o <strong>Responsibilities</strong></td>
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<tr>
<td>- Dean of E-learning and Distance Education for Academic Development</td>
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<td>- Director of the Curricula and Study Plans Administration</td>
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<tr>
<td>- Consultant to Vice Rector for Academic Affairs.</td>
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<tr>
<td>- Member of the University’s Website Enhancement Committee.</td>
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<tr>
<td>- Member of the Faculty of Design and Arts Committee</td>
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<td>- Teaching the following Courses:</td>
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<td>• Research Methods</td>
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<td>• Communication Skills</td>
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<td>• Educational Software Design</td>
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<tr>
<td>❖ Graduate Research Assistant (2016 – 2017)</td>
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<tr>
<td>o <strong>Location</strong>: Department of Computer Graphics Technology at Purdue Polytechnic Institute at Purdue University.</td>
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<td>o <strong>Tasks</strong>: A computer programmer and a video game designer/developer.</td>
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<td>o <strong>Responsibilities</strong></td>
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<tr>
<td>- Level Design.</td>
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<td>- Computer programming.</td>
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<td>- Usability Testing.</td>
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<tr>
<td>- Game Design.</td>
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<tr>
<td>- Game Development.</td>
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<tr>
<td>- Instructional Design.</td>
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<tr>
<td>- Version Control.</td>
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</tbody>
</table>
### Teaching Assistant\Lecturer (2010 – Present)
- **Location:** Department of Curriculum and Instruction at Faculty of Education and Arts at University of Tabuk.
- **Tasks:** Instructing future computer science teachers by providing them with preparation, guidance, and support.
- **Responsibilities**
  - Member of Faculty Affairs Unit.
  - Member of Academic Accreditation Unit.
  - Webmaster for Faculty of Education and Arts.
  - Member of the Internship in Education Committee.
  - Representative of the University in the International Exhibition and Conference of the Higher Education – 2010
  - Representative of the faculty of Education and Arts in the University’s Exhibition 2010
  - Teaching the following Courses:
    - Computer Teaching Strategies
    - Teaching Practicum
    - School Administration
    - Introduction to Computer Science

### Computer Operator (2009-2010)
- **Location:** Municipality of Tabuk.
- **Responsibilities:**
  - Contacting clients and arranging meetings.
  - Office Administration.
  - Operating devices such as: computers, fax machine and copier machine.

### TRAINING

#### English as a Second Language (6 months)
- **Location:** WESL at Western Illinois University
- **Achievement:** Completed the entire program in 6 months, earning an A in all classes.

#### 3D Graphics Design (3 days)
- **Location:** The National Center for E-Learning and Distance Learning
- **Achievement:** Completed the regular training and achieving all the objectives.

#### Using Web 2.0 Technologies in the Classroom (3 days)
- **Location:** The National Center for E-Learning and Distance Learning
- **Achievement:** Completed the regular training and achieving all the objectives.

### LEADERSHIP

- Founder and CEO at DynamicX [an indie team] (2009- Present).
| COMMITTEES & MEMBERSHIPS | REVIEWER FOR THE ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY (AECT):  
- Systems Thinking & Change  
- Research & Theory  
- Emerging Learning Technologies  
- Culture, Learning and Technology  
- Design and Development  
- Design and Development Showcase  
- Emerging Technology Showcase  
- MEMBER AT THE RESEARCH ON WOMEN AND EDUCATION (RWE) SIG OF THE AMERICAN EDUCATIONAL RESEARCH ASSOCIATION.  
- MEMBER AT THE ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY (AECT).  
- MEMBER AT THE AMERICAN EDUCATIONAL RESEARCH ASSOCIATION (AERA).  
| CONFERENCES | WORLD CONFERENCE ON BLENDED LEARNING. DUBAI, UAE—2019  
- UNESCO-MOBILE LEARNING WEEK ON ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE DEVELOPMENT —2019  
- GLOBAL EDUCATIONAL SUPPLIES & SOLUTIONS, DUBAI — 2019  
- ASSOCIATION FOR EDUCATIONAL COMMUNICATIONS AND TECHNOLOGY (AECT) — 2018.  
- THE INTERNATIONAL CONFERENCE ON EDUCATION EVALUATION—2018  
- THE 43RD ANNUAL RESEARCH ON WOMEN IN EDUCATION CONFERENCE—2017. |
| Association for Educational Communications and Technology (AECT) — 2017. |
| Association for Educational Communications and Technology (AECT) — 2016. |
| Association for Educational Communications and Technology (AECT) — 2015. |
| The World's Largest Modeling, Simulation, & Training Conference (I/ITSEC) — 2014. |

**GENERAL SKILLS**

- Languages:
  - English - Second Language
  - Arabic – First Language

**PERSONAL INTERESTS**

Reading – Social Activities – Traveling – Wrestling- Acting – Cooking

**CONTACT INFORMATION**

- Email:
  - alshamm9@purdue.edu
  - aalshammari@ut.edu.sa
  - dynx.ali@gmail.com

- Phone: +966507624606

- Website: [http://www.alialshammari.com](http://www.alialshammari.com)