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| **Amirsalar Mansouri** | ***Date* *of birth:*** | **1991 January 16** |
| ***Email*:** | **[Amirsalar.Mansouri@gmail.com](mailto:Amirsalar.Mansouri@gmail.com)** |
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| ***Office:*** | **#331 Scott Engineering Center**  **Lincoln, NE 68588** |
| ***Home:*** | **68506 Lincoln, NE, USA** |
| ***Homepage:*** | **[asmansouri.github.io](https://asmansouri.github.io/)** |

***Education***

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|  | ***2014–Present*** | Ph.D. in Electrical and Computer Engineering,  Department of Electrical & Computer Engineering, University of Nebraska- Lincoln, Lincoln, NE, USA  **Current GPA: 3.542** |
|  | ***2009–2013*** | B.Sc. in Electronic Engineering,  School of Electrical & Electronic Engineering, Iran University of Science & Technology, Behshahr, Iran  **Total GPA: 14.38/20** |
|  | ***2005–2009*** | Diploma in Physics and Mathematics Discipline  Allameh Helli High School, National Organization for Development of Exceptional Talents, Tehran, Iran,  **Total GPA: 18.31/20** |
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***Research Interests***

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|  | * **EEG** * **Signal Processing** * **Machine Learning** | * **Data mining** * **Bioinformatics** * **RNA-seq** |
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***Research Experience***

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| ***Fall 2014 – Present*** | **Research Assistant, Advisor Dr. Khalid Sayood.**  Department of Electronic Engineering, University of Nebraska- Lincoln,  Topics: EEG analysis especially pattern recognition of states of brain transitions, RNA-Seq analysis   * Seizure Detection and Localizations using EEG signals by modeling the preictal to ictal EEG signals alterations. * Network-based pattern recognition seizure localization * Unsupervised detection of a recent concussive injury Modeling recent concussive injury impacts using a novel network-based monitoring approach. * Preprocessing RNA-seq data * Analyzing human and viral genome expression * Associated pathway analysis of differentially expressed genes. |
| ***Fall 2020 – Present*** | **Research Assistant, at AACT lab, Dr. Kevin Pitt.**  College of Education and Human Sciences, University of Nebraska- Lincoln,   * Collecting and Processing data * Classifying the stimulated and non-stimulated conditions using feature extraction in time domain. * Modeling electrodes correlations using Network-based pattern recognition |
| ***Spring 2013 – Spring 2014*** | **Research Assistant in Electronic Laboratory directed by Dr. Ali Kermani.**  Department of Electronic Engineering, Iran University of Science & Technology,  Measuring of Mind’s Awareness,   * Design circuit for collecting, amplifying, and filtering brain signals * Processing and classifying awareness level |
| ***Spring2011 – Spring 2012*** | Simulation of a complete minimum system (including RAM, ROM, LCD, etc.) in  Proteus. Project of “Computer Structure and Microprocessors", Dr. Kermani,  Fall 2012.  Group project of Simulating, Designing and Implementation of ECG Signals Analyzer, Dr. Ghonoudi, Behshahr, Iran, Spring 2012 |

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***Awards and Honors***

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| ***2019*** | UNL Research Fair graduate session ECE department 2nd place (April 2019). |
| ***2017*** | College of Engineering Graduate Student Conference Travel Grant. |
| ***2002-2009*** | Member of the National Organization for Development of Exceptional Talents, Iran. |
| ***2006*** | Ranked 3rd in NODET's High Schools RoboCup Competition, HelliCup, Tehran, Iran. |
| ***2006*** | Ranked 2nd in Noshirvani University of Technology National RoboCup Competition, Babol, Iran. |
| ***2007*** | Ranked 2nd in NODET's High Schools RoboCup Competition, HelliCup, Tehran, Iran. |
| ***2007*** | Ranked 2nd in Junior Soccer league Iran Open International RoboCup Competition, Tehran, Iran. |

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|  | ECEN 996 Computational Intelligence (A)  CSCE 872 DIGITAL IMAGE PROCES (A)  ELEC 996 Bayesian Networks (A+)  ELEC 863 DIGITAL SIGNAL PROC (B+)  ECEN 853 Biological Image & Signal Processing (A)  SLPA 981 Neuroimaging & Language Disorders (A) | CSCE 872 DIGITAL IMAGE PROCES (A)  CSCE 874 INTRO DATA MINING (A-)  CSCE 878 INTRO MACHINE LRNG (A)  ELEC 996 Bayesian Networks (A+)  ELEC 863 DIGITAL SIGNAL PROC (B+)  ELEC 852 BIOINFORMATICS (B+) |



***Teaching Experience***

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| ***Fall 2014 - Present*** | Teaching Assistant of Department of Electrical and Computer Engineering Department | |
| ELEC 211 (Elements of Electrical Engineering I)  ECEN 220 (Introduction to Embedded systems)  ELEC 222 (Introduction to Embedded Systems)  ECEN 307 (Electrical Engineering Laboratory I- Lab) | ECEN 216 (Electronics and Circuits II)  ECEN 231 (Electrical Circuits I- Lab)  ECEN 304 (Signals and Systems I)  ELEC 462 (Communication Systems) |
| ***Summer 2015*** | Upward Bound Math Science  Teaching Robotics, introduction to electronics and the microcontroller and robotics. | |
| ***Fall 2009  Spring 2010***  ***Fall 2012*** | Teaching Assistant of School of Electrical & Electronic Engineering, Iran University of Science & Technology, Behshahr, Iran  Electronic II (Fall 2012), Computer Programming (Fall 2009 and Spring 2010) | |

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***Computer Skills***

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|  | **Programming** **Languages**: MATLAB, Python (TensorFlow, NumPy, PyTorch, …), C++, Assembly, Pascal, Basic, Familiar with R, C#, HTML, PHP  **Circuit Simulation and Analysis**: PSpice, Proteus (ISIS), CodeVision AVR, Arduino  **CAD Softwares**: AutoCAD, Corel Draw  **Operating** **System**: Microsoft Windows, Mac OS, and Familiar with Linux (Ubuntu)  **Typesetting**: Microsoft Office, LaTeX |

***Language Skills***

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| English, Farsi and familiar with Turkish and Arabic. | | | |

***Voluntary Activities***

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| Judging the UNL Research fair posters | Lincoln NE April 2019 |
| The Valley Flood relief | Valley Nebraska April 2019 |
| Walk to End Epilepsy | Lincoln NE May 2019 |

***Extracurricular Activities***

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|  | Biking, Learning & Playing Violin, Poems, Volleyball, Basketball, Camping, Thinking,… |