


CURRICULUM VITAE

Personal Details	
Surname Firstname	Saghaeiannejad Esfahani Sayed Hossein
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E-mail	ssaghaeiannejadesfa1@student.gsu.edu hossein.saghaian@gmail.com
Birthdate and place	September 18, 1985, Iran
Education	
August 2016 - Present	Ph.D. Student, Computer Science, Georgia State University, USA
April 2011 – April 2014	M.Sc. - Computational Engineering, University of Rostock, Germany ✓ Thesis: <i>Simulation-based Comparison of Analysis Algorithms for Orientation and Spatial Frequency Maps in Macaque V1</i> ♦ GPA: 2.1 in German System (<i>Very good</i>)
Fall 2003 – Fall 2009	B.Sc. - Electrical Engineering, Isfahan University of Technology(IUT), Esfahan, Iran ♦ Thesis: <i>A New Control Strategy for Boost DC-AC Inverter and Simulation with PSIM</i> Thesis Grade: 19 out of 20 (<i>Excellent</i>)
1999-2003	Diploma in Mathematics and Physics Isfahan University of Technology High school, Esfahan, Iran
Research Interests	
	Machine Learning Computational Biology Computational Neuroscience Bayesian Inference & Estimation Deep Learning
Work Experience	



Spring 2018	Independent teaching: <ul style="list-style-type: none"> ✓ CSC 1301: Principles of Computer Science 1 (Undergraduate level), Department of Computer Science, Georgia State University
Spring 2017 & Fall 2017	Lab Assistant: <ul style="list-style-type: none"> ✓ CSC 2720: Data structures lab Department of Computer Science, Georgia State University
Fall 2016	Software Engineering Project Department of Computer Science, Georgia State University, <ul style="list-style-type: none"> ✓ Duty: Designing an airline reservation system with Java that allows travellers to reserve seats aboard the airline's aircraft. In addition, the system provides the airline employees with access to detailed fleet information and facilitates the management of flights.
March 2013 - October 2013	Visiting Scholar: Moran Eye Center, University of Utah, Salt Lake City, U.S.A, Prof. Angelucci's Lab <ul style="list-style-type: none"> ✓ Duty: Optical imaging of intrinsic signals, Computer modelling of neural data and data analysis, obtaining orientation and spatial frequency maps, improving the neural images.
April 2012 - August 2012	Research Assistant: System Biology Bioinformatics Rostock <ul style="list-style-type: none"> ✓ Duty: Aligning nucleotides and amino acids sequences with MATLAB, parameter estimation with simbiology, parameter estimation with potterswheel, Sensitivity Analysis with simbiology.
Summer 2008	Internship: Foolad Technique International Engineering Company (FIECo), Isfahan, Iran, PLC Programming <ul style="list-style-type: none"> ✓ Duty: Control the cooling system of steel rolls with PLC S7-300 using Ladder Logic (LAD) and Function Block Diagram (FBD) programming.
Winter 2008	Department of ECE, Isfahan University of Technology, Digital and Non-linear Control Lab <ul style="list-style-type: none"> ✓ Duty: Control and simulation of a robot with LABVIEW and MATLAB.
Honours and Awards	
December 2013	Mobility Grant to U.S.A, Awarded by University of Rostock
November 2011	Ranked 2 nd , German Universities Championship (Futsal), Kleve, Germany

Software Skills	
Programming Language	Java (<i>Advanced</i>) MATLAB (<i>Advanced</i>) C (<i>Very Good</i>) R (<i>Very Good</i>) Python (<i>Good</i>) C++ (<i>Good</i>)
Technical	Finite element analysis: ✓ COMSOL Multiphysics (<i>Very good</i>) ✓ CST EM Studio (<i>Advanced</i>) Visual programming language and automation: ✓ Lab-view (<i>Very good</i>) Pharmacokinetic and system biology: ✓ Simbiology (<i>Advanced</i>) Mathematical modeling of dynamical systems: ✓ PottersWheel (<i>Very good</i>) Design and simulation of electric circuits: ✓ OrCAD PSpice (<i>Advanced</i>) ✓ PSIM (<i>Advanced</i>) PLC programming: ✓ SIMATIC S7-300 (<i>Good</i>)
Application	LaTeX (<i>Good</i>) Microsoft Office (<i>Advanced</i>)
Operating System	Microsoft Windows XP/Vista/7/8/10 (<i>Advanced</i>) Mac OS (<i>Advanced</i>) Linux (<i>Good</i>)
Languages Skills	
Persian	Native Speaker
English	Fluent (Reading, Writing, Speaking)
German	Intermediate (Currently studying level B1)
Arabic	Intermediate
Hobby	
	Sports (Soccer, Fitness, Swimming), Travelling, Music



Sayed H. Saghaian

References

- **Dr. Alessandra Angelucci**
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