Negar Mirgati

CONTACT INFORMATION

Department of Electrical and Computer Engineering
Faculty of Engineering
University of Tehran, Iran
E-mail: negar.nbj95[AT]gmail.com
Cell: +98-911-7791032

AREAS OF INTEREST

Algorithms
Network Security
Graph Theory
Software Development
Data Science

EDUCATION

University of Tehran, Tehran, Iran
Bachelor of Science in Hardware Engineering **Sep. 2015 - Feb. 2020**

- GPA : 16.9/20

HONOURS AND AWARDS

Ranked 306st among 180,000 students in Iran's Mathematics and Physics entrance exam
Ranked 3rd among undergraduate students in Hardware Engineering College for the last two years

SELECTED COURSES AND GRADES

Engineering Mathematics*: 19.5/20*
Design and Analysis of Algorithms*: 19.4/20*
Data Communications*: 19.5/20*
Introduction to Network Security*: 18.6/20*
Algorithmic Graph Theory : *17.8/20*

TEACHING ASSISTANT

Engineering Probability and Statistics **Fall 2017**
Instructor: Dr. Behnam Bahrak

Data Communications
Instructor: Dr. Pooya ShariatPanahi **Fall 2020**

LANGUAGE SKILLS

Persian: Native
English: Fluent

SOFTWARE

Programming: C, C++, Java, Python, R, HTML/CSS, JavaScript, Android, SQL
Simulation: Modelsim, Quartus, Hspice, ISE
Operating Systems: Mac OS, Windows, Linux,
Tools: Git, Django, React

CERTIFICATION COURSES

Java Technologies from University of Tehran ACM
Android from University of Tehran ACM
Git from University of Tehran ACM
JavaScript and Node.js from University of Tehran ACM

WORK

Internship at IPM Grid Computing Group July 2018 – October 2018

EXPERIENCE

This institute is an active participant in the research arena of Iran.

- Worked on implementation of nature-inspired Optimization Algorithms for the virtual machine placement optimization

Python Developer at SynApps Feb. 2020 - Present

- Backend development using Django framework (full-time)

RESEARCH EXPERIENCE

University of Tehran - Goodreads Data Analysis

Under supervision of Dr. Behnam Bahrak

- Working on predicting award winners using machine learning techniques

University of Tehran - A Persian chatbot for moodle

Under supervision of Dr. Omid Fatemi

- Implementation of a chatbot for moodle learning management system

SELECTED COURSE PROJECTS

Light-seeking Arduino Robot | Real-Time and Embedded Systems

TCP Implementation | Computer Networks

- Implemented Using Java

WordCount on Hadoop | Computer Networks

- Implemented Using Java

Pipelined MIPS | Computer Architecture

- Implemented Using Verilog

Neural Network | CAD

- Implemented Using Verilog

File Sharing System | Operating Systems

- Implemented using C

Multithreaded Neural Network using Semaphores | Operating Systems

- Implemented Using C++

Genetic, Memetic, Artificial Bee Colony, Simulated Annealing, Firefly Optimization | Internship at IPM

- Implemented Using Python

Machine Learning | Internship at IPM

- Using Python, Jupyter Notebook

TEST SCORES

TOEFL(2nd November 2019) Total Score: 110/120

Reading(30/30), Listening(29/30), Speaking(24/30), Writing(27/30)