Amirhesam SALIMNIA
Summary Internship

❤ gitlab.com/hesam.384
☐ +989369667566   @ salimnia.ah@ut.ac.com
📍 No. 22, Block B2, Bagh Behesht Residential Complex, Baq St, Saadat Abad, Tehran, Iran.

🏛 EDUCATION

- **Bachelor of Science in Electrical Engineering** University of Tehran, Tehran GPA (18.51/20)   Sept 2016 – Present
  Minor in Computer Engineering, University of Tehran, Tehran
- **Diploma, Mathematics,** AE HighSchool, Tehran GPA (19.53/20)   Sep 2012 – Jun2016

🏆 HONORS AND AWARDS

- Silver Medal in Iranian National Physics Olympiad   2015
- Member of **Iran's National Elites Foundation**
- Ranked 5th among about 113 undergraduate students of Electrical Engineering, University of Tehran   2015

💼 TEACHING AND RESEARCH EXPERIENCE

Fall 2018 | Teaching Assistant
Electromagnetics : Instructor Prof. Shahabadi
> Oversaw student's assignments and graded them.

Spring 2018 | Image Processing
Removed noise and motion artifacts from image and also have compressed the improved image using the JPEG algorithm.

Spring 2018 | Voice Signal Processing
Using different kinds of filters to remove noise from ECG signals.

Fall 2017 | RadiomiX
Clustered data of NSCLC-Radiomics with a k-means algorithm to find a relation between clinical data and survival time.

Fall 2018 | Heart Rate Monitoring System
Using heartbeat sensors and AVR, we design a Heart Rate Monitoring System to measure and show heart rate and detect stress from it.

Fall 2017 | Line Tracker Robot
Designed a line tracker robot from scratch using light sensors(CNY70), DC motors, AVR, etc.

Spring 2018 | Digital Logic Design Lab
Designed a function generator that is capable of generating various waveforms with the desired frequency and also implemented a VGA driver to display images on a monitor using an FPGA

Fall 2018 | Linear Control System Lab
Identification and modeling a three connected tank of water and control the height of water in each tank using a PID controller.

Summer 2018 | Back-end Developer
Developed a web interface(ACM Vahed) for students to schedule their courses in a semester and it's implemented with Django framework.

Spring 2018 | Implement "Twitter" in c++
Designed a social network in which users can post and interact with messages in C++.

Spring 2018 | Making Game
Implemented a game ,Swipe Brick Breaker, using object-oriented programming with the graphical library (RSDL).

☛ SELECTED COURSES

Technical Language(20/20), **English Language**(20/20), **Electrical Circuits I(20/20)**, **Engineering Mathematics**(20/20), **Electro-magnetics**(19.9/20), **Engineering Probability and Statistics**(19.4/20), **Systems Analysis**(18.5/20), **Advance Programming**(17.96/20), **Communications 1**(Ongoing), **Linear Control Systems**(Ongoing), **Microprocessors 1**(Ongoing) **Discrete Mathematics**(Ongoing)

☰ SKILLS

Programming	Assembly(Familiar), C(Advanced), C++(Advanced), Python(Familiar), HTML(Advanced), CSS(Advanced), Bootstrap(Familiar), Git(Familiar), Django(Advanced)
Hardware Programming	Verilog(Advanced), System Verilog(Advanced), AVR(Advanced), Arduino(Familiar)
Simulation Softwares	Multisim(Advanced), Pspice(Familiar), Proteus(Familiar), Altera Quartus, Modelsim(Advanced)
Typesetting	LaTeX(Familiar), Microsoft Word(Advanced)
OS	Linux(Familiar), Windows(Advanced)
Databases	MySQL(familiar)

⊕ LANGUES

English	*Fluent*
Persian	*Mother Tongue*