

Sina Labbaf

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EDUCATION

University of California, Irvine

Ph.D. in Computer Science - Advisors: Prof. Nikil Dutt & Prof. Amir Rahmani

Irvine, CA

Expected Jun '22

University of Tehran

B.Sc. in Computer Engineering

Tehran, Iran

Sep '12 - Jun '17

EXPERIENCE

Graduate Student Researcher

UC Irvine

Irvine, CA

Sep '17 - present

- Developed and supervised a cybernetics health service for remote healthcare monitoring and intervention:
 - Micro-service cloud server for distributed storage, analytic, and machine learning of digital health-IoT data
 - Multi platform dynamic questionnaire app for data labeling and intervention
 - Adoptable sensor layer program for wearable devices to collect physiological signals
 - Administrator dashboard to setup and control services for researchers
- Health-care IoT: Monitoring and analyzing stress level using wearable IoT devices

Full-Stack Developer

Pegah Tech Co.

Tehran, Iran

Sep '16 - Sep '17

- Developed web-applications for various internet services: Backtory (BAAS), Alounak (Real-estate), Suppline (online support)
- Improved reachability and click rate of ad campaigns by interactive advertisement design and development
- Integrated video advertisement SDK with game development platforms

HONORS AND AWARDS

Valedictorian

Highest GPA

University of Tehran, Iran

Sep '12 - Jun '17

Game Development Contest

Best Game Award

Iran

Mar '16

ACM International Collegiate Programming Contest

Top Five Teams

Asia Regional

Dec '14

National Science Fair Student Award

Third Place

Iran

Oct '11

NOTABLE PROJECTS

- Smart Mobile Robot Simulator: Providing automatic feedback using neural network on simulated robots performance
- Linux Kernel Programming: Creating a prioritized Semaphore and Scheduler by tweaking Linux Kernel

SKILLS

- Programming Languages: Python [Flask, Celery], C/C++ [OpenCV], Java [SE, EE]
- Database: Non-Relational Databases [MongoDB], Timeseries Databases [InfluxDB]
- System Administration: Docker, Kubernetes, Apache2
- Web Development: Typescript/JavaScript [Angular, AngularJS, JQuery, Cordova], CSS3 [Bootstrap], HTML5
- Miscellaneous: ZSH/Bash, Git, VIM, IntelliJ Idea, Android Studio, XCode, L^AT_EX