

# Curriculum Vitae

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**Sure name:** Ebrahimi

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**Date of birth:** 1.July.1985

**Nationality:** Iranian

**Residence:** Tehran, Iran

**Marital Status:** Married

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## *Summary:*

Innovative, industrious, talented, Experienced in research , development, design and manufacturing of moving camera systems products. Expertise in CAD software and comprehensive knowledge of manufacturing principles. Flexible with respect to long and variable hours of work. Communicative, encouraging team player that looking for new opportunities to get reasonable experience.

## *Education:*

- Associate degree in Power electric: Azad University of Shazand, Shazand, Iran  
(2007/08 - 2010/02)

## *Work History:*

- Inventor and owner of Datam Fanavar Arvin Co. 01/2016 –present  
Datam Fanavar Arvin is a technology company that develops products in TV broadcast and film industry.
  - Design and build automatic cable cam for Islamic Republic of Iran Broadcasting(IRIB) organization
  - Design and build cable cam automatic controller system can be installed on any type of cable cam
  - Design and build integrated tethered drone system consist of:
    - voltage converter and power transfer system
    - Auto tension control winch
    - Hybrid copper-fiber cable

- Over fiber telemetry system
- Over fiber remote controller
- Automatic receiver switch for switching between three redundant control link
- Ground control station with two redundant telemetry link and three control link
  - Implement on Fox tech F1000 quadcopter with Pixhawk autopilot
- Design and build 16 channels digital remote control with wireless and IP base link for drone
- research and study on design and construction of spider cam system
- develop multi copters for aerial photography
- Provide imaging services by drone or cable cam
- Provide technical advice on imaging equipments
- Design and create 3D model of products and parts of products using Catia software
- Research, design, evaluate, build, install, operate, and maintain moving camera system and equipment to meet customer requirements, applying knowledge of engineering principles.
- Set up and configuration of drones systems like autopilot, gimbals, etc
- Conceptual and detailed design of mechanical part of robotic systems
- Conduct research that tests or analyzes the feasibility, design, operation, or performance of equipment, components, or systems
- Investigate equipment failures and difficulties to diagnose faulty operation
- Develop, coordinate, or monitor all aspects of production, including selection of manufacturing methods, fabrication, or operation of product designs.
- Research and analyze customer specifications, manuals, or other data to evaluate the feasibility, cost, or maintenance requirements of designs or applications.
- Estimate costs and submit bids for engineering, construction, or extraction projects, and prepare contract documents.
- Test and quality control of products
- Inspect, test, and adjust completed units to ensure that units meet specifications, tolerances, and customer order requirements.
- Assemble parts or units, and position, align, and fasten units to assemblies, subassemblies, or frames, using hand tools and power tools
- Read plans and specifications to determine component parts and assembly sequences of electromechanical units

- Electric engineer 03/2014 to 12/2015

Tavan Electronic Gostar Co.

- Power and Control Electric circuit design
- Drawing electric circuit diagrams by CAD and Eplan software
- Set up and driving industrial motor speed control inverters and soft starters
- Electric cabinet design , assembling ,wiring and diagnose

- 3D drafting of electric cabinets
  - Prepare technical drawings, specifications of electrical systems to ensure that installation and operations conform to standards and customer requirements.
  - Design, implement, improve electrical instruments, equipment, facilities, components, products, or systems for commercial, industrial, or domestic purposes.
  - Prepare specifications for purchases of materials or equipment
  - Perform detailed calculations to compute and establish manufacturing, construction, or installation standards or specifications.
  - Inspect electrical systems, equipment, or components to identify hazards, defects, or the need for adjustment or repair, and to ensure compliance with codes.
  - Plan layout of electric equipments for flour factories
- Network and Computer Systems Administrator
    - Sazepad Co 2010 to 2014
    - Configure and define parameters for installation or testing of local area network (LAN), wide area network (WAN), hubs, routers, switches, controllers, multiplexers, or related networking equipment.
    - Configure security settings or access permissions for groups or individuals.
    - Configure wide area network (WAN) or local area network (LAN) routers or related equipment.
    - Install and configure wireless networking equipment.
    - Install or repair network cables, including fiber optic cables.
    - Maintain and administer computer networks and related computing environments including computer hardware, systems software, applications software, and all configurations.
    - Perform data backups and disaster recovery operations.
    - Diagnose, troubleshoot, and resolve hardware, software, or other network and system problems, and replace defective components when necessary.
    - Plan, coordinate, and implement network security measures to protect data, software, and hardware.
    - Configure, monitor, and maintain email applications or virus protection software.
    - Operate master consoles to monitor the performance of computer systems and networks, and to coordinate computer network access and use.
    - Design, configure, and test computer hardware, networking software and operating system software.
    - Monitor network performance to determine whether adjustments need to be made, and to determine where changes will need to be made in the future.
    - Recommend changes to improve systems and network configurations, and determine hardware or software requirements related to such changes.
    - Train people in computer system use.

### *Skills:*

- 3d CAD Drafting with Catia software
- Inventor
- Computer network configuration
- Extensive knowledge in all aspect of production
- Familiar with analog and digital electronic circuit design
- Operational knowledge of software tools and technologies namely Robotic control systems, Micro controllers, Embedded programming
- Familiar with C programming language
- PCB layout design and development
- Repair and maintain electric motors
- Electronic and mechanical systems troubleshooting and repair
- Familiar with AVR,PIC,ARM microcontrollers
- Eplan electric circuit design software
- Soldering skill
- Mechanical concepts knowledge
- Drone piloting
- Fix wing and multi rotor drone design and implementation
- DJI flight controls and gimbals set up and installation
- Pixhawk autopilot set up and installation
- Familiar with AutoCAD and Solidworks
- Familiar with Linux operating systems
- Composite fabrication and molding methods
- Excellent interpersonal and communication abilities
- Microsoft Office software

### *Languages:*

- Advanced in English
- Fluent in Azeri
- Native in Farsi

### *Research and innovation History in Iran:*

- Fueling optimization system in gas stations
- Design and implement electric earth rod knocker
- Design and implement water electrolyzer Hydrogen generator
- Design and implement long range UAV for national Sharif university of Tehran UAV competition
- Design and implement the first automatic cable cam in Iran
- Design and implement the first tethered drone system in Iran