Amir Askari - Resume

Date of Birth: 29 March 1989
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Education

2014 - 2016 M.Sc in Embedded Electronic System Design, **Chalmers University of Technology, Sweden**
2013 - 2014 M.Sc in Embedded and Intelligent System, **Högskolam i Halmstad, Sweden**
2008 - 2012 B.Sc in Electrical Engineering, **National University of Zanjan, Iran**,

Experience

- **Scania Group, Sweden**
  Senior Embedded Software Engineer *2022 - Present*
  Responsible for range estimation onboard and offboard using C, MATLAB/Simulink, AWS.
  Developed solutions for vehicle-to-cloud communication architecture
  Leading embedded software projects and coordinating development activities.
  - **Software**: implement new feature/components for ECU in MATLAB/Simulink, AWS, / C/ vision/Inca , Jenkins, CI and RTOS and python.
- **Voi technology AB, Sweden**
  Senior Embedded Software Engineer *2023 - 2024*
  Firmware Engineer, Embedded software design, development and testing the vehicle and Iot.
  - **Software**: Implement new feature/components for IoT/vehicle in C, python , CI and Zephyr.
- **Scania Group, Sweden**
  Senior Embedded Software Engineer *2022 - 2023*
  Embedded software design, development and testing the gear selection in transmission ECU.
  Development of the different scenarios for the Gear selections in vehicle
  Project responsible for the dual Electric vehicle
  - **Software**: implement new feature/components for ECU in MATLAB/Simulink, / C/ vision/Inca , Jenkins, CI and RTOS and python.
- **Volvo Trucks, Sweden**
  Embedded Software Engineer *2019 - 2022*
  Embedded software design, development and testing for transmission electronic control units.
  Development of the platform framework of Volvo Powertrain.
  Contributions to the Volvo Powertrain platform software test framework.
  Leading the planning activities of a scrum team.
  - **Software**: implement new feature/components for ECU in C++, unit test / Cantata/ Robot test, debug the software with Trace32, Jenkins, CI and RTOS, different boots, Engineering tools and python.
- **Volvo Cars, Sweden**
  Embedded Software Engineer *2016 - 2019*

Design, implement, test and simulate concepts to functional prototype inside the cars/Simulator.
Development of HMI in "self-driving" cars and VR simulators.
Being involved in UI/UX Projects (DUX)

- **Software**: implement C++, QML, unity, CSS and C in different projects
- **Hardware**: Designed, built, modified and programmed Electronics such as Arduino, Raspberry Pi, Photon and sensors.

- **Melissa Care AB, Sweden**
  Web developer *2014 - 2016*
  Full stack web developer responsible for end-to-end web app development
  Responsible for the clients Projects and SEO

Software Skills

Practical Experienced: Cygwin, Visual Code, Trace32, Cantata, QT, React, CANoe, Awesome framework Python IDE, Agile, JIRA, Git, scrum, Linux, micro controller and IoT

Thesis and Projects

Master thesis - Using high speed sampling and DSP for evaluating sensor signals **Volvo Group Trucks Technology**

Embedded Electronic System Design Project: design a sound mixed mode signal designer, Design, simulation and optimization of D-class amplifier and analog filter by using
TINA, MATLAB and ADS **Chalmers University of Technology, 2015**

Programming Languages

c/c++, Python, MATLAB/Simulink, QML, Javascript, Caple, HTML, Groovy

Languages

Persian:	Mother-tongue
English:	Fluent
Swedish:	SFI

Interests and Activities

Technology, Basketball, Table tennis, Machine Learning and AI, Chess, Painting
Driving License: B