



Savari, a Silicon Valley start-up with offices also in Detroit, Munich, Shanghai and Bangalore, seeks to make the world's roadways smarter and safer by deploying advanced wireless V2X sensor technologies to highly automated and self-driving cars as well as Smart Cities (**Wall Street Journal** article [here](#)).

Savari is venture-backed by two of the leading Automotive car manufacturers and managed to grow its business significantly over the past months. Savari is the main supplier to the **Smart Cities of Shanghai in China** and of Tampa in Florida (**TechCrunch** article [here](#)) and has built up a vast network of first-class business partnerships with companies like **Qualcomm** (press release [here](#)), **Flextronics** (press release [here](#)), **SAIC Motors** – the largest Chinese car manufacturer (article [here](#)) and **Nissan Motor** (press release [here](#)). Furthermore Savari is engaged in research and product development with many of the most prominent automotive companies, for example **Mercedes Benz** (**New York Times** article [here](#))

With more than 150 man-years of V2X-deployment and 15 millions-plus miles per year of public testing as well as differentiating IP, Savari is a leader in V2X technology. Complementary to LiDAR, radar and camera sensor technologies, Savari's technology gives cars "x-ray" like [capabilities](#) to see through buildings and objects. Savari's solutions provide 360-degree situational awareness for the car as well as the road and we are actively working on an upgrade path to support cellular V2X with the [5G Automotive Association](#).

Savari currently has significant business development presence in US, Europe and Asia. Based on outstanding credentials from OEMs and Tier-1s, we are expanding our local U.S. team based in Detroit with engineering know-how.

We are looking for talented and highly motivated young professionals to join our North American team in the role of

Algorithm Engineer in Detroit, MI, United States

Technical Job Description

- Work on designing and implementing connected vehicle safety and mobility applications
- Develop V2X active safety and mobility applications and their enablers: warning and control
- Work on sensor fusion toward automated vehicle systems
- Improve the output GPS positioning solution from commercial positioning system especially in GPS challenging environment such as urban driving
- Develop strong IP portfolio in this domain

Overall Job Description

- Provide 1st level technical support on Savari's sensor system solutions to OEM, Tier1, infrastructure customers as well as eco-system partners
- Give detailed SW engineering support to those customers to support field trials, infrastructure projects and V2X Design-Ins incl. customizing V2X stack modules to support specific applications
- Bring the technical expertise to customers by delivering high-quality technical presentations and live product & system demonstrations of Savari's predictive safety solutions

You should have following skills

- 5+ years of experience in Active Safety/ADAS algorithms.
- Master Degrees in EE
- Strong background and experiences in sensor fusion
- Strong background and experiences in state estimation including Kalman filter approach
- Connected vehicle domain knowledge including the related standard and data dictionaries (Example: J2735)
- Experience in GPS and INS positioning as well as map matching
- Simulation skills
- Good Matab/Simulink, C programming, Canalyzer
- ADAS/Active Safety experience is required.
- C-coding and vehicle positioning experience is required.

What we will offer you?

- an exciting job in a fascinating market as part of a dynamic, motivated team with a true passion to improve traffic safety
- interesting, challenging development projects doing state-of-the-art design to develop and grow your skills and competence into a senior technical expert role
- to work in a changing industry, implementing technologies shaping the automotive future
- flexible work environment with a state-of-the-art compensation package for a start-up

To apply for this job please send your CV and application cover letter to Faroog Ibrahim at faroog@savari.net .

All applications will be treated strictly confidential.