



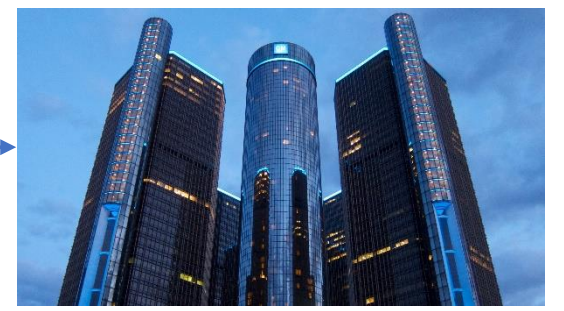
Wende Zhang



Shanghai, China



Pittsburgh, PA  
M.S. and Ph.D. at ECE, Carnegie Mellon  
MBA at Indiana University



Detroit, MI  
Summer Interns ~ Director



Pennsylvania & California (2006-2007)

Tartan Racing

Winner - DARPA Urban Challenge

Tartan Racing Responsibilities:  
Computer Vision Lead  
(Camera & Lidar)



BK Award in 2016  
360° View System (MY15)



BK Award in 2018  
Super Cruise (MY18)



'Best of What's New' Award  
BK Award in 2017  
Rear Camera Mirror (MY16)



BK Award in 2020  
Invisible Trailer (MY21)

GM Experience:  
2006-2012: R&D Senior Researcher  
2012-2014: Tech Specialist  
2014-2017: BFO of Viewing Systems  
2017-2018: BFO of Lidar Systems  
2018-2022: Tech Fellow on Sensing Systems  
2020-2022: Manager on Sensing SW  
2022: Director of Sensing & Localization SW

# Autonomous at GM

## SELF-DRIVEN. ALL-ELECTRIC. SHARED.

Removing the steering wheel, rearview mirror, pedals and more results in something entirely new—an experience purely designed around the riders. And one that will be built at one of GM’s most advanced assembly plants in North America, Factory ZERO.

## SOFTWARE

Development of software that leverages the base content of the propulsion modules to control actuators without physical driver input. This software is added “on top” of the base controls of the various modules.

Development of a unique AV module that integrates specific software while communicating critical vehicle status data to the AV driving.

## EXAMPLES OF WORK:

Automated Vehicle Development Engineer  
Embedded Software Platform Engineer  
Algorithm Design Development Engineer



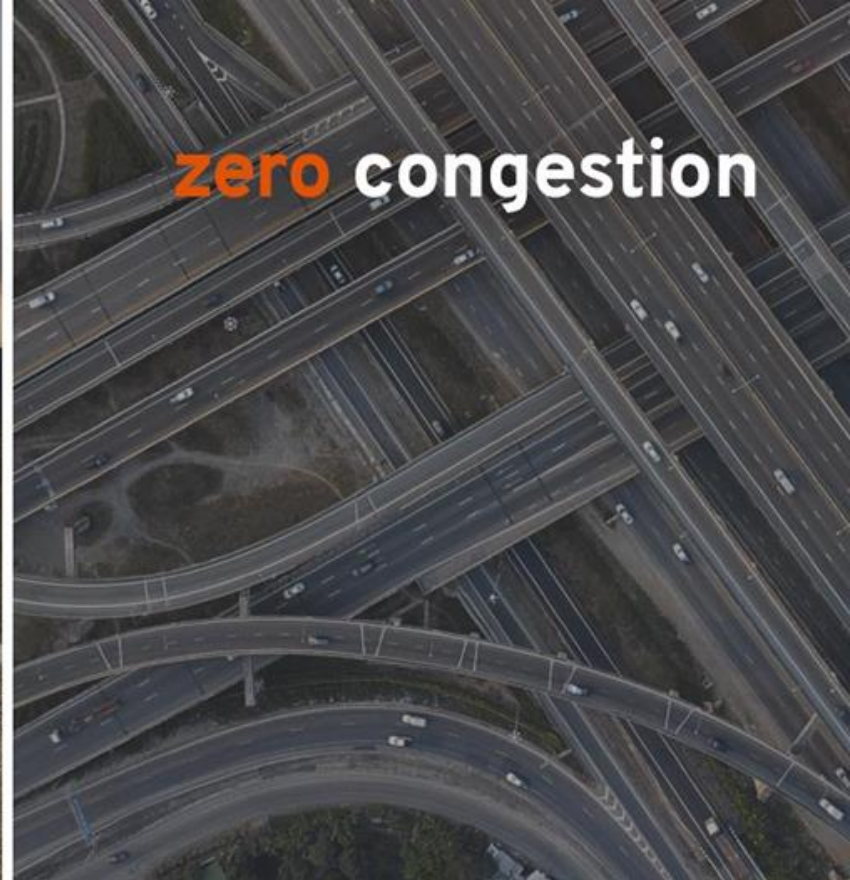




zero crashes



zero emissions



zero congestion

Hardware:

Active Safety Test Engineer

Controls Design Engineer

Vehicle Clusters & Heads Up display

Software:

Big Data Analytics

Embedded Software Platform Engineer

Virtual Assistants & Voice Control

Vehicle Cybersecurity Test Engineer

Hardware:

Battery Validation Engineer

Materials Engineer

Software:

Quality Software Engineer

Software Systems Integration Engineer

Battery health and Optimization

Software Test Engineer

Hardware:

Automated Vehicle Development Engineer

Integrated Design Engineer  
Systems Integration Engineer

Software:

Automated Driving Software Engineer

Infotainment Software Developer  
In-Vehicle & Mobile App Developer