WANG CHEN

PROFILE

Automotive Innovation engineer + Software Engineering + Data Scientist/AI

EXPERIENCE

Faurecia Automotive Seating   📍 France
DATA SCIENTIST   Sep 2019 - Present

- Noise classification for mechatronics ,use object detection to classify different type of noise, deployed as shopfloor quality control tool (estimated yearly saving = ~200,000 EUR)
- Create and deployed in cloud an internal web app for real time manufacturing production data analysis
- Build audio sigal process workflow, setup auto-labelling pipeline to improve scalability
- Deploy ML model in constrained manufacturing environment for production EOL quality control
- Innovation project using seat sensor and machine learning to enhance driver experience in the car, deployed in Raspberry Pi (drowsiness detection, posture evaluation)
- Recliner production line data analysis, explore 10 years production line data to optimise process
- Track sliding effort process optimization, use machine learning model to define process parameters
- Leadscrew welding process quality inspection, use 3D welding scan data to verify welding quality (Variational AutoEncoder)
- Actively follow state of art research/papers on field of computer vision and continuously learning

Python · JavaScript · Tensorflow · PyTorch · Scikit-learn · SQL · Azure

Faurecia Automotive Seating   📍 France & China
INNOVATION ENGINEER   Jul 2013 - Present

- R&D engineer , Leading Simulation and Test activities in innovation/generic projects, provide design concept orientation.
- Work for Cockpit Of Future project with expertise in simulation including Finite Element Analysis and functional simulations.
- Strong analysis and problem solving skill. Enjoy learning and quick adapt to new technologies.
- Working at international environment, cooperate with Germany/India/Poland/American/Chinese colleagues and customers.
- Manage multi projects and cross function work with program, engineering, quality, plant , finance departments.

Innovation · Mechanical · Engineering · Validation · Simulation

EDUCATION

Master of Computer Applications (M.C.A.), Software engineering
Jiangnan University
Jan 2014 - Dec 2018

Bachelor's degree, Mechanical Engineering
Jiangnan University
Jul 2009 - Jun 2013

📞 +33 7 68 90 97 11

✉️ solid.chen9@gmail.com

🌐 wangchen9.github.io/blog_server

📍 Normandy,France

SKILLS

Programming: Python, JavaScript, TypeScript, SQL, Bash
Frameworks: Tensorflow, PyTorch, Scikit-learn, Next.js
Developer Tools: Linux, Git, Docker, Kubernetes, Azure devops
Mechanical engineering: Manufacturing process, FEA/Validation, Functional simulation, Mechatronics, NVH

LANGUAGES

Chinese	Native
English	Full Professional Proficiency
French	Professional Proficiency

CERTIFICATIONS

Deep Learning specialization [Coursera]
Introduction to Self-Driving Cars [Coursera]
Big Data training, practical methods and solutions for data analysis [Orsys]

INTERESTS

Meditation   Ping Pong
Travelling   Cooking
Basketball