CURRICULUM VITAE

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0.0.1 EMPLOYMENT HISTORY

Dec.2022~Today: Tata Technologies Nordics AB [Göteborg, Sverige]

- Mar.2023 ~ Today: ADAS / ADS Head (Consulting @ Zeekr Tech EU)
  - Conducted interviews to measure the ADAS capabilities of internal
  - Engaged in new project sourcing and development
  - Sent to Zeekr Tech EU consultant for 100%
    * As a Zeekr Tech EU consultant: (Apr. 2023 ~ Present)
      · ADAS Product Coordinator
      · Attribute Lead
      · Product Feature Engineer
      · Support of ADAS-related EU-Homologation
      · Support of ADAS-related EU-NCAP (pre-) testing
      · ADAS V&V Roadmap development
      · Supervising ADAS validation and homologation activities

- Dec.2022 ~ Feb. 2023: ADS Lead Engineer
  - Customer(Volvo) meetings
  - Customer(IVECO) presentation support
  - Customer(Vinfast) supplier function review
  - Center Of Excellece(Education,training)
  - Tata Mfg Tech Shanghai(Education,training)
  - Tata Mfg Tech Shanghai Bussiness Outlook Support

Jan.2018~Dec.2022: Geely Research Institute [Hangzhouwan, Zhejiang, China]

- Jan.2021 ~ Dec.2022: Chief Technology Officer. (600 people)

  - Internal SW Development evaluation (ASPICE, SOTIF, ISO26262, Cybersecurity.)
  - Function architecture design support.
  - Technical board member for incubating start-ups for Geely investments
  - Renault & Geely ADAS function development support.
  - Benchmark ADAS Products of other company.
  - Member of internal vehicle test evaluation.

- Jan.2020 ~ Jan. 2021: Function & Scenario Expert. (200 people)

  - ADAS SW Quality Assurance(SWQA) check.
  - Function owner of ERMD, IRMD, CPD(Child Presence Detection.)
  - Geely-CEVT communication support for ADAS function.
  - Geely-Volvo communication support for ADAS function.
  - Function Process support.

- Jan.2018 ~ Dec. 2019: ADAS Expert.(400 people)

  - Build current SWQA(Software Quality Assurance) foundation process for Geely.
  - Innovation Award for 'Swift Method to create a patent'.
  - PSS360 leader.
  - ADAS Scenario Technical Specialist.
  - Parking Solution Specialist.
  - SOC (System On Chip) Benchmark

Aug.2012~Dec.2017: Hyundai Autron [Pangyo, Korea]

- Jan. 2013 ~ Dec.2017: ADAS & New Technology team, ADAS Leader (Managed 25 people.)

  - Build & Managed ADAS & New Technology development team (25 people.)
  - Responsible for system requirements of AUTOSAR development(cooperated with TTTech Auto.)
  - Responsible for Function development of ADAS Domain Controller (LV2/LV3) modeling and embedded SW.
  - Developed many advanced systems prototyping of smart glass, intelligent seat, ADAS HMI, etc.
  - HKMC Group Technical Road Map committee member for ADAS.
  - HKMC Group Automotive Health Care & ADAS Control Transition (HMI) committee member.

- Aug. 2012 ~ Dec. 2012: ADAS Expert. (5 people)

  - HMKC Group Power Net Architecture committee member as ADAS expert.
  - ADAS standardization for Commercial vehicle.
  - Support for project coordination and communication with customer and supplier.

Apr.2009~Jul.2012: Mando Hella Electronics [Songdo, Korea]

- Apr. 2009 ~ Jul.2012 : ADAS Team, System Leader (Managed 10 people)

  - Responsible for System Design of BSD/LCA Radar.(Applied vehicles produced in Hyundai)
  - Responsible for System Design of USS and Parking function.
  - Model based SW development for Ultrasonic BSD.
  - Support for project coordination and communication with customer.
  - Romania based SW center co-operation.

Apr.2004~Sep.2007: SIEMENS VDO HALLA [Sejong, Korea]

- Apr.2004 ~ Sep.2007: Body and Chassis Team, Senior Software Engineer

  - Developed Parking Aid System in C++ language.
  - Patent for Virtual Sensing Algorithm, the patent reduced 10% of product quality testing fee.
  - Developed Parking Aid System for a number of OEM′s such as DPCA (Dongfeng Peugeot Citroën Automobiles), Kia, AvtoVAZ, IKCO(Iran Khodro Industrial Group), Smotor(Ssangyong), GM and, Hyundai.(and still there are applied vehicles produced.)
  - Developed programs were labeled as CMMI Level 3, and followed MISRA rule book
  - Tested software with Vector(CAN and LIN) tools.
  - Assembler language PDC(Parking Distance Control) was rewrote in C language.
  - Digital Circuit Design with OrCAD and simulated circuit.

Sep.2002~Mar.2004: Military & Space co. [Seoul, Korea]

- Apr.2004 ~ Sep.2007: Body and Chassis Team, Senior Software Engineer

  - Developed infrared camera viewer associating with an equipment.
  - RF communication ROM writing tool for ESA(ARIANE 5).
  - Wav files format reader for VOIP solution.
  - Windows MFC used to create the P2P Chat SW.

0.0.2 RELATED EXPERIENCES

Dec.2008˜Mar.2009, TMax Electronics, London, U.K.

- Internet commerce Front-end design and development with PHP

- Credit card payment system develoment with security algorithms

Oct.2001˜Sep.2002, Northwood Health System, West Virginia, U.S.

- Created an effective PHP/SQL solution to manage employee Testing service

- UNIX cron and batch programming

- Company offered 5yr contract due to excellence in programming

May.2000˜Sep.2000, Alternativas, Quetzaltenango, Guatemala

- Supervised the design of network structure

- Taught and trained new employees how to manage computer network

Oct.1996˜Dec.1998, Republic Of Korea Army, Gyeonggi-do, Korea

- (Compulsory Service for a healthy man in Republic of Korea)

  - Used military facilities and operated Virtual Mission System
  - Utilized various old UNIX systems
  - Translated from English to Korean / Korean to English

0.0.3 EDUCATION

Sep.2007˜Nov.2008, University of Southampton, Hampshire, UK

- Master of Science Complexity(AI) Science (Post Graduate Course)

  - Over 65% average mark (Overall 3rd in course)
  - Intensive and dedicated master′s degree in Artificial Intelligence
  - Decentralized Programming with C++ and GNU R
  - Took main programmer part in Adaptive Robot project
  - THESIS PAPER: Design of Adaptive Traffic Light Agent System (2008)

Jan.2001˜Sep.2002, Microsoft Network Professional, Pittsburgh, USA

- Self-Studied - (Certificate, Weekend course)

    - Network specialty and Infrastructure
    - Lower level system network analysis

Sep.1995˜May.2002, Wheeling Jesuit University, West Virginia, USA

- Bachelor of Arts & Sciences - Computer Science (Undergraduate Course)

    - 1996 ˜1998, served ROKA(Republic Of Korea Army)
    - (2.86 / 4.00 GPA) / A grade (Top 10% of the class) for all Computer Science subjects

Sep.1992˜May.1995, Georgetown Preparatory Maryland, USA

- High school 4 years, (¿3.0 / 4.0 GPA)

0.0.4 AWARDS

- Development of others award 2022

- Zhejiang Foreign Talent 2021

- Best innovators of 2019

- Best Instructor of 2018

- Best Interviewer of 2016

- Best employee of 2010

0.0.5 SKILL SETS

- Networking

- Embedded C / C++ / Any API related to C

- JULIA / PYTHON / MATLAB / QT / PERL / SQL

- Window drivers programming

- Embedded Assembler

- Microsoft Certified Professional (MCP)

0.0.6 LANGUAGE SKILLS

- English: almost native

- Chinese: Basic(listening)

- Spanish: Fluent (speaking, reading); intermediate (writing)

- Korean: native language