

Kevin Lee

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EDUCATION

University of California, Irvine, CA Master's Degree, Embedded and Cyber-Physical Systems Courses: Embedded System Modeling and Design, Internet of Things (IoT) Systems and Software	Sep 2025 – Dec 2026(Expected)
National Taiwan University, Taipei, Taiwan Master's Degree, Mechanical Engineering Courses: Software and Hardware System Development under Industry 4.0, Design and Practice of Intelligent Vehicles	Aug 2019 - Jul 2021
National Cheng Kung University, Tainan, Taiwan Bachelor's Degree, Mechanical Engineering	Aug 2014 - Jul 2018

WORK EXPERIENCE

Senior Firmware Engineer, Delta Electronics Inc.	Oct 2021 - May 2025
<ul style="list-style-type: none">Developed embedded firmware for EV traction inverters in C as a production-release software component engineer.Performed CPU runtime load analysis and optimization, reducing system load from 55% to approximately 35%.Automated the software release pipeline, cutting verification effort by roughly 85%.Led ASPICE LV 2 & 3 project scope SW test as Software Test Leader w. certification awarded.Integrated production procedures by developing the EOL SOP for shipment-safety software package validation.Collaborated globally and provided technical support to customers and teams in the USA, India, Germany, Spain, and Italy.Delivered on-site technical support at R&D centers in Detroit (USA) and Bengaluru (India).	
Project Lead, Advanced Power R&D Center, National Taiwan University	Aug 2019 - Jul 2021

On-site Engineering Intern, GE Aviation	Jul 2018 - Aug 2018
<ul style="list-style-type: none">Commercial aircraft turbine engine shop On-Site EngineerInvestigated causes of turbine component scrap and conducted yield analysis.	

SKILLS

- Programming: C, Python, Simulink, FreeRTOS, RTA-OS, SystemC
- Development Platforms: IBM Rhapsody, Enterprise Architect, IBM Rational, Git, Jenkins
- Embedded Platforms: STM32, ESP32, Infineon Aurix, Arduino, Raspberry Pi
- Validation Platforms: VectorCAST, HelixQAC, dSPACE, MicroAutoBOX, AVL Dyno
- Standards/Frameworks: MISRA C, ASPICE, Software-Dev-Life-Cycle, KGAS, ISO26262, HiL, CiL, MiL
- Communication Protocols: CANBUS, CANFD, I2C, SPI, UART