LE CONG KHANH

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EDUCATION

BS   Cantho University (Vietnam), Mechatronics Engineering   2011 to 2015
Graduated with a pretty good GPA

SUMMARY WORKING EXPERIENCE

Renesas Design Vietnam Co. Ltd.   2015 to 2018
Renesas Design Vietnam Co., Ltd. is a wholly owned subsidary of Renesas Electronics Corporation (a Japanese semiconductor manufacturer). It has designing hardware and software for wide range of semiconductors.

* This is where I started my career.
- 2017 to 2018: Project Leader of Model Based Design Tool (MBD) project
- 2016 to 2018: Design Engineer of MBD project
- 2016 to 2018: Coding Engineer of MBD project
- 2015 to 2018: Testing Engineer of MBD project

COMPUTER SKILLS

Programming languages:
- C/C++, Java
- Python, MALAB, Ruby
- HTML, CSS, Javascript, jQuery

Environments:
- Windows
- MATLAB & Simulink
- Embedded
- Web

Microsoft's technology:
- Visual Basic for Excel

WORKING EXPERIENCE

Renesas Design Vietnam Co. Ltd   2015 to 2018

<u>Project Leader of MBD project</u>   2017 to 2018

- Lead a project with 6 members and in charging of all technical works; doing plan for development schedule, monitoring QA/QC activities. Solid knowledge in conducting full SDLC under CMMI standard. Be a mentor to support new engineers.

<u>Design Engineer of MBD project</u>   2016 to 2018

- Apply various Design Patterns: Template, Hook, Singleton, Strategy, etc.
- Used tools:
  - Enterprise Architect
  - Star UML
  - Microsoft Visio

<u>Coding Engineer of MBD project</u>   2016 to 2018

- Develop an automatic code generation environment for Multicore Model-Based Development Framework on Renesas's MCUs by C/C++11, Python, and MATLAB/Simulink.
- Bring up boards without OS on various 16-bit & 32-bit Renesas MCU devices (e.g. RH850, RL78, RX, etc.) by asm code. Developing resource management library for RH850 Multicore devices in many-core applications on both Renesas Compiler and GHS Compiler.
- Knowledge of Inter-Process Communication (Concurrency, Multi-Threading).
- Manipulate many MATLAB/Simulink packages from R2015a-R2016b focusing on Model-Based Design Development field (Stateflow, Embedded Coder, Simulink Coder, and Embedded Coder).
- Knowledge of creating Makefile for NMAKE (for Visual compiler) and GMAKE (for MinGW compiler).
- Used tools:
  - *Version control:* Tortoise Hg, Tortoise Git, Tortoise SVN
  - *IDE:* Visual Studio, MATLAB
  - *Static Code Analysis:* CppLink, CppCheck, MATLAB Code Analysis
  - *Code Coverage:* Visual Studio Enterprise (Team tool)
  - *Others:* WinMerge (compare code), GrepWin (search with RegEx), Kazoeciao (code counting), and self-made tools using Python (automating GUI tasks, data collecting)

<u>Testing Engineer of MBD project</u>   2015 to 2018

- Reduced over 70% of manual testing effort in MBD project by created an automation test tool (using Python, MATLAB, C++, and AutoHotKey). The tool gives various combinations of inputs to test final product. Outputs of the products are automatically analyzed by Python and MATLAB scripts.

PROFESSIONAL TRAINING

Renesas Design Vietnam Co. Ltd.
- Project Planning
- Design for Test
- Root cause analysis using "5 Why"
- Qualitative data analysis
- Requirement traceability

SOLOLEARN Inc.
SOLOLEARN Inc. provides an online programming training platform (www.sololearn.com). It was subscribed by over 24 million learners over the world.

* This is where I practice and learning new skills
- Achieved the following certifications:
    - C++, Java
    - Python, Ruby
    - HTML, CSS, JavaScript, jQuery

LANGUAGES

Vietnamese: Native Language
English: Intermediate Listener, Writer, Novice Speaker, Advanced Reading

OTHER

I recognized myself as a lifelong learner, I love coding, and I like animals.