

# Le Cong KHANH

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## WORKING EXPERIENCE

FEBRUARY 2019 – PRESENT

### Axon Active Vietnam

#### *Software Developer*

Coding and testing of helper tools for company.

Programming languages: Java, HTML, SCSS, JavaScript, PostgreSQL.

Co-operating in a project with 5 members. Playing development role in Agility development model.

Published information about my work: (not published yet)

NOVEMBER 2015 – 2018

### RENESAS Design Vietnam Co., Ltd.

#### *Software Coding Engineer*

Coding and testing of a Code Generation Frame-work for co-simulation between Mathworks/Simulink and RENESAS's MCUs.

Programming languages: Python, Java, C#, C/C++, MATLAB.

Co-operating in a project with 6 members. Have solid understanding of SDLC from Requirement Gathering Analysis, Design, Coding, to Verification under CMMI model.

Published information about my work:

<https://www.renesas.com/eu/en/products/software-tools/tools/model-base-development/embedded-target-for-rh850-multicore.html#productInfo>  
<https://www.renesas.com/us/en/about/press-center/news/2018/news20180614.html>

## EDUCATION

2011 TO 2014 CTU - Cantho University

BSC. IN MECHATRONICS ENGINEERING

GPA: 2.9/4.0, 7.25/10.

## SOFTWARE SKILLS (CURRENT STATUS)

INTERMEDIATE	Java, HTML, SCSS
BASIC LEVEL	JavaScript, PostgreSQL, Python, C#, C/C++, MATLAB, MySQL, AutoHotKey.

## COMMUNICATION SKILLS

VIETNAMESE	Native
ENGLISH	L/R: Good; S/W: Acceptable

## WORK PRODUCT

### WEB APPLICATION

Tool for importing, editing, searching, and keep track progress of another team/members.

### CODE GENERATION FRAME-WORK

MATLAB supports generating source code directly from Design (diagram) on Simulink. But generated source code is general-purpose C/C++ source code, it lacks some features of RENESAS's MCUs. So we built a framework using **C++**, **C#**, and **MATLAB** to generate source code and do necessary configuration.

### AUTOMATION TESTING AND REPORTING TOOL

During the development, we have a regression test tool. It executed everyday to ensure there is no bug cause by the modifications.

The overall controlling and reporting tool was built by **Java Spring MVC**. It simulates user's operations on Windows by calling executable tool written on **AutoHotKey** language. And some communication code with RENESAS's software using Python. Every day, we can check test-result-report by enter application address on web browser (supports local network only).