**Deprecated**: round(): Passing null to parameter #1 (\$num) of type int|floa/home/dangherve/Dropbox/site/readFlightHour.php on line 16





**Deprecated**: round(): Passing null to parameter #1 (\$num) of type int|floa/home/dangherve/Dropbox/site/readFlightHour.php on line 48

**Deprecated**: round(): Passing null to parameter #1 (\$num) of type int|float is deprecated in /home/dangherve/Dropbox/site/readFlightHour.php on line 49

**Deprecated**: round(): Passing null to parameter #1 (\$num) of type int|float is deprecated in /home/dangherve/Dropbox/site/readFlightHour.php on line 53

**Deprecated**: round(): Passing null to parameter #1 (\$num) of type int|float is deprecated in /home/dangherve/Dropbox/site/readFlightHour.php on line 54

# Hervé Dang

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#### PERSONNAL SUMMARY

Engineer's training complete by a master's degree in computer sciences Several experiment as a Devops/Sysadmin Curious, determined, analytical ability, versatility and ability to adapt

### **COMPUTER SKILLS**

**System Administration/ Devops:** BASH, Apache, Postfix, Dovecot, Bind, OpenVPN, Iptables, Dockers, Kubernate, Cloud(AWS, Azure...)

Programming language: C/C++, JAVA, Python, Scheme, .Net

System programming: IPC, concurrent computing (Multi-threading, Multi-processing), embedded

programming, drivers

Modeling method: UML 2.x, SysML, Design Patterns, Model driven engineering

IA: Prolog, Clips, Genetic Algorithm, Artificial neural network

Web development: PHP, NodeJs, HTML, CSS, BDD

Electronics/Embedded system: VHDL, FPGA, SystemC, Android, Real Time, μc, Qt

Avionics: A429, AFDX, CANBUS, DO178/DO254, ADS2, FLIGHTSIM

Others: Security, Telecoms, Aspect oriented Programing

## **EDUCATION**

**Master's degree in computer sciences** École Polytechnique de Montréal Main courses: Embedded system, Networking, Programmation

Engineer's diploma in computer sciences EISTI

Main courses: Software design, System information engineering, Project Management

### WORK EXPERIENCE

**Developer/Engineer/Hacker** Self employed Completion of several tasks:

- -Development games: SHOKOBA and VIZIA on boardgamearena
- -Involvement in some Open-source project
- -Development de electronic projects using micro-controller or single-card computer C/C++, Linux embarqué, Android, Arduino, Rasberry pi, Web(PHP/JS/HTML)

2011-2012 2004-2010

2004-2010

2009-2025

2009-2025 System Administrator Self employed Management of a computer park with about ten computer within multi-system environment: -Setup of some server application (mail, DNS, VPN, Web...) -Monitoring of web service for reliability -Development of some Ansible/Python/Bash script -Cloud testing System administration, Apache, Postfix, Bind, OpenVpn, Linux, Ansible 2023-2024 **DRIVERS Software Developer** Opal-rt Contribution in the development of PC/FPGA-based real-time simulators running on Windows and Linux: -Development of divers Drivers (MODBUS, CANBUS...) -Contribution of evolution of divers tool -Contribution of improving technical documentation C/C++, Real Time, Linux 2020-2022 **Devops** Omnirobotic Create and manage company devops architecture: -CI/CD: based on drone and docker -Development on-demand system for our developer (Aws/Terraform) -Development of some python&bash script Terraform, Docker, Drone, python, Linux 2019-2020 **Devops** Novaguark Contribution to create and manage cloud architecture for client/server games: -Write and mange deployment platform scripts (Ansible) -Collaboration in setting up an on-demand environment system base on cloud (Aws/Terraform) -Development of some python script Ansible, games, C++, go, python, Linux 2018-2021 Feasibility study for using my Bike project as Business Business development -Business plan writing -Funding search -Contact with company for developing the product (Electronic design, industrial design) -Crowd-funding campaign writing -Firmware development Product development, Business plan, Entrepreneurship 2016-2017 Technical Associate, Vehicule Simulation Consultant at CAE Montréal -Aircraft simulator conception (C series/Embraer 145) -Snag resolving for Flight Surveillance Systems (Air Traffic Control system, TCAS, EGPWS, Weather Radar System and Graphical Weather System) -Development of different kind of simulator (Full Flight System, Flight Training Device, Integrated Procedures Trainer) C++, Real time, Avionics(ATC, TCAS, TAWS, WXR, GWX) Software engineer CEL Aerospace Longueuil 2015-2016 Aircraft Engine test cell development: -Add engine to the solution of the company -Execution and writing of test plan -Driver improvement VB.Net, QNX, C 2014 Programmer C++ Consultant at CMC Electronics/Esterline Montréal Synthetic vision system development: -Writing of System requirement -Writing of unit test (LLT and HLT) PFD/SVS, DO178B B&C level 2012-2014 Software developer Thales Canada Avionics Division Flight On-board computers development: -Design document management (writing and review) Conception and Development of software part from specification Writing and execution of unit test (LLT and HLT) Scade, DO178B A&D level, TCL 2008-2011 Internship -Aircalin: Development of a tool allowing personal management (2 mois) -Société Le Nickel: Module design for GLPI(2 mois) 2009 -École Polytechnique de Montréal: Study of different architecture with RESP-SIM (4 mois) -Laboratoire d'Astrophysique de Bordeaux: Creation of the software part for high speed analog-to-digital converter project (4 mois)

LANGUAGES

French: mother tongue

Japanese: conversional

English: fluent, 840 TOEIC (2009)

Spanish: basic Knowledge

## **HOBBIES**

Horse ridding Model Aircraft making Skydiving Aeronautics: Pilot Licence plane and helicopter

Travelling
Scuba diving