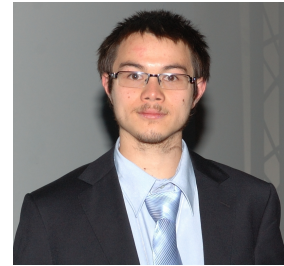


Hervé Dang

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PERSONNAL SUMMARY

Engineer's training complete by a master's degree in computer sciences
Curious, determined, analytical ability, versatility and ability to adapt

COMPUTER SKILLS

Operating system: GNU/Linux, Microsoft Windows

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

DB: Oracle PL/SQL, XML-SQL, MariaDB

XML: DOM, SAX, XPATH, XQUERY, FO...

WEB: PHP, HTML, JAVASCRIPT, CSS

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

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

Others: Security, Telecoms, Aspect oriented Programing

EDUCATION

Master's degree in computer sciences 2012
École Polytechnique de Montréal

Engineer's diploma in computer sciences 2004-2010
École Internationale des Sciences et du traitement de l'information in France (www.eisti.fr)

WORK EXPERIENCE

DRIVERS Software Developer 2023-2024
Opal-rt

System Administrator 2009-2024
Self employed

Devops 2020-2022
Omnirobotic

Devops 2019-2020
Novaquark

Feasibility study for using my Bike project as Business 2018-2021
Business development

Technical Associate, Vehicule Simulation Consultant at CAE Montréal	2016-2017
Software engineer CEL Aerospace Longueuil	2015-2016
Programmer C++ Consultant at CMC Electronics/Esterline Montréal	2014
Software developer Thales Canada Avionics Division (http://www.thalesgroup.com/canada/) Montréal	2012-2014
Embedded system developer (4 month internship) Laboratoire d'Astrophysique de Bordeaux (www.obs.u-bordeaux1.fr)	2011
Student-researcher in computer science (4 month internship) École Polytechnique de Montréal	2010
Web application developer (2 month internship) Société Le Nickel (www.sln.nc) in New Caledonia	2009
Web developer (2 month internship) AIRCALIN (www.aircalin.com) in New Caledonia	2008

PROJECT

Software development for a library

Workshop design program

Realization of a dealing room

Design of MP3 player

Design of a pilot assistant for aircraft making

Development of credit card number transfer system using QR CODE

Design of embedded processor

Callback system design with OVH provider

Realization of Von Neumann machine

Design of a bicycle lighting system

LANGUAGES

French : mother tongue

English: fluent, 840 TOEIC (2009)

Japanese : conversational

Spanish : basic Knowledge

HOBBIES

Horse ridding

Aeronautics: Pilot Licence plane and helicopter

Model Aircraft making

Travelling

Skydiving

Scuba diving