

Name: Antony Ducommun dit Boudry
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Summary: Born in 1983, married, happy parent of one daughter, fluent in French and English, avid learner, autodidact, fullstack engineer (web, mobile, desktop, distributed and embedded systems), proudly running archlinux, xmonad and sublimatext.
Education: Bachelor of Science - Computer Science



Selected experience

2014+: DDBSC - Geneva - CH

Founded Ducommun dit Boudry Software Consulting. Digital projects around the world for e-commerce, finance, legal, real-estate, surveillance, event management and home automation industries. Pursuing opportunities to launch startups.
Keywords: Software development (desktop, web, mobile, backend, embedded). Hardware prototypes (pcb, firmware).

2018: Academic Research - Hangzhou - CN

Deep-Learning Image Segmentation - Towards Tea Leaves Harvesting by Autonomous Machine.
Keywords: Machine-learning, computer vision, robotics.

2011-2013: Boxalino AG - Zurich - CH

Enhanced search and recommendations technology. Designed an advanced user behaviors data-mining platform. Designed a product to create highly dynamic and contextual landing pages.
Keywords: Java, PHP, Python, CoffeeScript, Scala.

2008-2010: Boxalino AG - Beijing - CN

Continued development of the navigation, search and recommendation technology. Maintained and scaled IT infrastructure.
Keywords: Java, PHP, .NET, E-commerce, Machine-learning.

2006-2008: Cognosense SA - Beijing - CN

Bootstrapped our engineering office in Asia, recruited and managed a local team of 5 engineers. Design of a search and navigation technology sold in Europe. Planned and implemented IT infrastructure, security policy.
Keywords: Java, Lucene, Web-services, Machine-learning.

2004-2006: Cognosense SA - Lausanne - CH

Cofounded Cognosense SA. Implementation of a new kind of web browser made for children (secure, intuitive and fun to use). Mobile application with a dialog engine and a real-time 3d world for embedded devices.
Keywords: C++, NSPR, XUL, OpenGL, FSM.

Proficiencies

Languages/Standards

LaTeX Ruby C/C++ Rust
 Python Java Assembly Go
 Scala Verilog
 .NET/C# PHP SpinalHDL VHDL
 Bash TypeScript Octave SQL
 JavaScript HTML5 JSON XML/XSD
 CSS/Less/Sass REST Websockets

Frameworks

React Angular Ionic NativeScript
 Vue Cordova WebExtension WebGL
 Akka Play! OpenGL DirectX
 OpenCV PyTorch
 Ruby on Rails Celluloid TensorFlow
 PhalconPHP Django Flask Asp.net
 wxWidgets pyside2 QT5
 and more ...

Services/Tools

Terraform ElasticSearch MySQL
 Ansible Cassandra PostgreSQL
 Docker MongoDB InfluxDB
 SaltStack Hadoop Doxygen
 OpenBSD FreeRTOS Go-CD Maven
 Linux iOS GDB GIT Make
 Windows Mac ROS MQTT cmake Sbt
 and more ...

Past and present interests

Learning, reading (contemporary, asian and s-f writers), electronic, modelism, robotics, cooking, hiking, snowboarding, diving.