Alexandre LACHAUX

Automation engineer

Curious by nature, I always try to progress and also to discover new technologies.

My atypical choice of route was motivated by this curiosity but also by the desire to be open to other aspects of the information technology following an electronic more directed course.

My passion of the automatism was born during my post-baccalaureate formation and from the concrete and varied projects of this domain consolidates me in my professional objective. Furthermore, this field is in perpetual evolution and I am aware that it is necessary to have also skills in Industrial Computing as a supplement.

33 years old
Driving License
📍 Avrillé (49240) France

Experiences

Real-time GPS tracker

Istia - September 2014 to February 2015 - Student Project - Angers - France

- Communication between two arduinos board. The first one have a GPS chip and send to the other one his position. The second board is connected to a Raspberry Pi which receive the data and display the position of the first board on a website hosted on the Pi.
- NodeJs server
- Use of Leaflet API (http://leafletjs.com/) with openStreetMap.

Creation of an industrial supervision

Tecauma - April 2014 to August 2014 - Internship - les Essarts - France

- Creation of supervision interfaces on a project of conveying of concrete products.
- Evaluation of the efficiency of a transtockeur through an supervision application and the FEM9851 method.
- Use of Indusoft Web studio (SCADA software).
- Database management (MySQL).

Creation of a conveyor belt

ISTIA - February 2014 to April 2014 - Student Project - Angers - France

- Sizing of the mechanical system.
- Search, manufacturing and assembly of the various elements.

Laboratory training

Hochschule Osnabrück - May 2013 to July 2013 - Internship - Osnabrück - Germany

Discovered of another culture through an internship abroad (Germany) taking place in a laboratory.

Automation internship

Selmoni - April 2012 to June 2012 - Internship - Altkirch - France

- Study of integration of a remote processing unit (iRio) to replace PLC on various projects. Ladder programming.
- Asi/Profibus interface project.

Skills

Automation

- PLC : Siemens, Schneider, Rockwell ★★★☆☆
- languages : LIST, SFC, Ladder, ... ★★★★☆
- Network : Modbus, Asi, Profibus, ... ★★★☆☆
- HMI : Win CC flexible ★★½☆☆
- Industrial supervision : Indusoft Web Studio, Ignition, iRio ★★★★☆
- Robotics : Staubli / FANUC ★★½☆☆

Information Technology

- C, C++ ★★★☆☆
- .Net (C#, VB, ASP MVC) ★★★★☆

- HTML, Css, Javascript, NodeJS, JQuery ★★★☆☆
- Python ★★☆☆☆
- Database (MySQL, Oracle,MongoDB) ★★★☆☆
- UNIX system ★★★☆☆
- FPGA (VHDL), Arduino ★★☆☆☆
- Java EE (Maven, JSF2, JPA/Hibernate Spring, Junit, Server (Glassfish/Tomcat), Web Services, ...) ★★★★☆
- Android ★★☆☆☆

Integrated Development Environment (IDE) and tools

- C++, .Net : Visual Studio ★★★★☆
- Java : IntelliJ, Netbeans, Eclipse ★★★★☆
- FTP : Filezilla ★★★★☆
- Office : word, excel, powerpoint, Project, ... ★★★★★

Network

- Shell
- Bash

Language

- English (TOEIC 885) ★★★★☆
- German ★★☆☆☆

Education

Automation and Industrial Computing

ISTIA - Engineering school of Angers
Since September 2012
Learning in IT as well as in automatic, The AGI option (Automatic and IT Engineering) has for objective to form students with both skills.

For further details : http://www.istia.univ-angers.fr/fr/index.html

two-year university degree in Engineering and Industrial Computing

IUT of Belfort-Montbéliard | Page officielle
September 2010 to June 2012

French Baccalaureate

Lycée Georges Colomb
September 2007 to June 2010