Name: Alexandre Izaute
Address: 18 avenue des Pyrénées
                 31320 VIGOULET-AUZIL
Telephone: +33 620635019
E-mail: alex.izaute@gmail.com
Nationality: French
Date of birth: 01/11/1983

Intelligent Systems Engineer

EDUCATION

2005-2009	Master degree in Intelligent Systems (artificial intelligence, robotic, computer sciences, automatic, mechanical), University of Paul Sabatier, Toulouse, France.
2002-2004	Diploma in computer sciences, University of Paul Sabatier, Toulouse, France. Treasurer of the Association of Computing School Students.
2001-2002	Diploma in mathematics and computer sciences, University of Paul Sabatier, Toulouse, France.

CAREER AND EMPLOYMENT HISTORY

Oct 2009 until Feb 2009	Designing of a simulation station for surveillance drone system (SUAVE)[1] for Rockwell Collins France. This project covers almost all fields contained in the IUP formation, is supervised by the teacher team and is managed by all the students (32 people).
April to July 2008	Internship for the company Onera - one of the European leaders in aerospace research (Toulouse, France). Research and development of software (Java) about human dynamic visual attention. Co-writing of an article[2] and presentation in seminars.
Jan to March 2008	Realization of software (OpenCV) to detect obstacles by monocular vision (3 people team).
Sept 2004 to Aug 2005, Summer 2006	Laborer for the company Cerm sol (Toulouse, France). Laying of different floors: carpet, wooden floor, lino.
April to July 2004	Internship for the company Agence de l'eau – which controls water quality of the Garonne – development of a software (Visual Basic) to manage e-mail requests from employees to the computing service.

SKILLS

Languages:

French: Native speaker.

English: good level. I spent 10 months in Australia between 2008 and 2009.

Professional skills:

2D/3D Graphics / Vision and Imaging processing

Speech recognition / synthetic voice

Artificial intelligence

Virtual / Augmented reality

Human-machine interfaces

Robotics

Automation / Industrial automation

Object-Oriented / Real time / Constraint Programming

Project management

Programming languages and softwares: C/C++, Java, VisualBasic, SQL, COBOL, Caml, OpenGl, Matlab, Eclipse, Prolog, VHDL, HTK.

REFEREES

SUAVE Website

(1) http://pge2010.free.fr/

Internship ONERA 2008

Charles Lesire: charles.lesire@onera.fr

Frederic Dehais: frederic.dehais@isae.fr

(2) http://www.cert.fr/dcsd/cd/lesire/pdfs/humous08andrieu.pdf

Internship Agence de l'eau 2004

Xavier Etchart: mailto:xavier.etchart@eau-adour-garonne.fr

ACTIVITIES AND HOBBIES

I like to travel especially since I've spent 10 months travelling in Australia. I worked over there as fruit picker.

In Winter I use to practice ski in the Pyrenees.