



Personal Information

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ARTHUR DOUILLARD

5 month Internship starting in September 2016

Education

EPITA (Graduate School of Computer Science and Advanced Technologies)

(2014 - 2018)

- Currently in the 3rd year of Engineer Studies (3/5).
- C, C++, Algorithm, Linear Algebra, Logic, Formal Language Theory, Management.

Hanyang University

(2015)

- Erasmus Exchange in Seoul, Korea.
- C, Operating System, Linear Algebra, Calculus, Korean.

Experience

THALES - AIR SYSTEM

Logistic Engineer Internship

Jan - Mar 2015

- Tracking classified military RADARs with Oracle Applications.

POB-Technology

Robotic Engineer Internship

June - July 2012

- Educational Robots creations, and Artificial Intelligence coded in Risbee.
- Exposition of the created robots at the Model World Fair and the Japan-Expo.

Projects

OCR Software

- Development of an Optical Character Recognition (OCR) software in **C**: Image analysis, Machine Learning and GUI.

POSIX Shell Interpreter

- POSIX Shell in **C**. A lexer and a parser were used. Test suite in Python.

Infinite Calculator

- Library for arithmetic computation, in any base, with arbitrary precision written in **C++**.
- Optimization was the main goal: Use of Karatsuba multiplication, Newton division, Ancient Egyptian division.

Soundcloud Music downloader

- **Python** software with Qt GUI that can download any music or playlist from Soundcloud.
- This vulnerability was reported to Soundcloud's dev.

Skills

Programming:

- Python, C++, C, Shell, Go, HTML, CSS, LaTeX

Operating System:

- GNU/Linux, OS X, Windows

Miscellaneous:

- Git, Scrum

Languages:

- French, English (TOEIC: 965), Spanish (B2), Korean & Chinese (notions)

Culture:

- Globe-trotter, Littérature, Geopolitics, Newspapers (*Scientific American*, *Conflits...*)