Ying-Xi CAO

- caocasey@gmail.com
- https://fr.linkedin.com/pub/yingxi-cao/61/4b5/aa9

Address: 4 Avenue de Friedland 75008, Paris
Telephone: +33 6 33 20 09 77
Birthday: 16th December 1990

Computer engineer

Professional experiences

❖ **Sept.2014- Dec.2014:**
- Temperate job in Sherpa Engineering:
  - Mission: Improve functions of air conditioning modules and user interface.
    - ➢ Manipulate parameters database (text, excel files) of varieties engine.
    - ➢ Development environment: Matlab Simulator, Excel.
  - Location: Nanterre (Ile de France, France).

❖ **Mar.2014- Aug.2014:**
- Technical internship in PSA PEUGEOT CITROËN, VVB (EPCT/ADTH):
  - Mission: Integrating air conditioning modules and design user interface.
    - ➢ Design test protocols for evaluation all modules.
    - ➢ Modify **Matlab script** for optimizing user interface (UI).
    - ▪ Models utilized: Engine model, Model of the cockpit, Consumption model.
    - ▪ Development environment: Matlab Simulator, Excel.
  - Location: Vélizy (Ile-de-France, France).

❖ **May.2013- Jul.2013**
- Technical internship in UNESCO, HQ (ERI/DPI):
  - Mission: Develop and ameliorate functions of UNESCO website by Drupal.
    - ➢ Ameliorate the function of UNESCO menu by using **'nice menu'.**
    - ➢ Create infrastructure for "projects" and "partners".
    - ➢ Develop Facebook applications.
    - ▪ Technics used: **HTML, PHP, Javascript, css, zen, sass, XML, Drupal, Facebook API, YOUTUBE API.**
  - Location: Paris (Ile-de-France, France).

❖ **Sept.2013- Feb.2014**
- Final year project (Start-up named Tag and Try):
  - Mission: Create a new Self-shopping pattern, which enable people to shopping by using just a simple mobile application, Tag (scan item)->Try->pay. My mission is about to develop a ruby on rails based server in order to establish a Communication bridge between the server and other applications.
    - ➢ Design UML class and activity diagrams and create an SQLite database for this project.
    - ➢ Design the ruby on rails based server.
    - ➢ Realize data communication by using **JSON.**
    - ➢ Deplore the server on cloud **(GIT,Heroku),** migrate **SQLite** to **Postgres database.**
    - ▪ Technics utilized: **Ruby on Rail, NFC, BarCode, PhoneGap.**
  - Location: Paris (Ile-de-France, France).

❖ **Projects of year 2013-2014:**
- Project of Asterisk:
  - Mission: Development of a telephone solution.
    - ➢ Conduct an interactive voice server.
    - ➢ Technics utilized: **Voice XML Programming, Trunks & Call Routing.**
  - Location: Paris (Ile-de-France, France).
- Project of Atoll:
  - Mission: Design and create a dual band 2G network under ATOLL.
    - ➢ Optimization of a 3G network.
    - ➢ Technics utilized: **ATOLL**.
  - Location: Paris (Ile-de-France).

❖ **Projects of year 2012-2013:**
- Project of Android:
  - Mission: Change TV channels by voice commands. My mission is about to develop an Android app in collaboration with Bouygues Telecom.
    - ➢ Developing a system to transfer voice messages to text.
    - ➢ Connect Smartphone with Bbox (TV controller) by a server.
    - ➢ Technics utilised: **Java, Google API, Eclipse.**
  - Location: Paris (Ile-de-France).

- ❖ **Project in Beijing university of Technology 2009-2012:**
  - Project of agricultural auction system:
    - o Mission: Analysis and design work on the Admeasure Management Subsystem, create UML.
    - o Location: Beijing (Chine).
  - Project of game:
    - o Mission: Create a FPS game with **NeoAxis** open source game engine.
    - o Location: Beijing (China).
  - 3D modelling:
    - o Mission: Based on images creating 3D models by using **3D Max**.
    - o Location: Beijing (China).

Education

- ❖ Engineer Degree (2012 – 2014):
  - **ECE Paris**-Graduate School of Engineering -Telecommunications and Networks as Master of Science.
  - Location: Paris, France.
- ❖ Exchange program (August 2013):
  - **University of California, Irvine-** Management and Manufacturing training.
  - Location: Irvine, United state.
- ❖ Bachelor Degree of Computer science (2009 – 2012):
  - **Beijing University of Technology**- Computer Science and Technology.
  - Location: Beijing, China.

Qualities:

- ❖ **Language**: English: Fluent. French: Fluent. Chinese: Bilingual.
- ❖ **Information system:**
  - Language: C, C++, Java, HTML, PHP, CSS, JavaScript, Json, Ajax, Matlab Script
  - Data base: MySQL, SQLite, POSTGRE SQL
  - Framework:
    - o MVC : LAMP, Ruby on Rail, Play
    - o CMS : Drupal
  - Platform and software: Heroku, Git, Android, LATEX, Eclipse, Netbeans, Matlab, Unix
  - Maderisation: UML
- ❖ **Network:**
  - TCP/IP, WLAN, GSM, 3G/3G +, LTE, 6LowPAN, UMTS, GPRS, COIP, Network CPL, TNS, DSP
  - CCNA: Test of school
    - o CCNA Exploration 2&3
    - o CCNA Exploration 4
- ❖ **Finance and Project Management:**
  - Budget management
  - Effective change management
  - Team management
  - Project management

Awards and interests:

- ❖ Learning Merit Scholarship in Beijing University of Technology (2012).
- ❖ Preliminaries excellent (2011): Mathematical Modelling Contest.
- ❖ Excellent Students of Beijing (2009): Beijing Municipal Education Commission certification
- ❖ Second Price (2008): Physics Mechanics contest.
- ❖ Second Price (2007): 7th Arts Festival Calligraphy Competition.