



# Software Development Operations Intern for 6 months



**Yuan CAO**



22 years old, Chinese



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FULL



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## COMPETENCES LINGUISTICS

Chinese  
(first language)

French (fluent)

English (fluent)

## COMPETENCES TECHNIQUES

C/C++

Linux/Docker

Java

Oracle/PL/SQL

Node.js/Express

Python

HTML/CSS/Javascript

VBA

Pack Office

## Interests

Tuba and Piano

Badminton

Bicycling

Taekwondo



## Education

*From* 2020

**Student majoring in Computer Engineering**, l'Université de Technologie de Belfort-Montbéliard, FR

*December* 2020

**Certificate of CUDA C/C++ quick calculation** in Deep Learning Institute, NVIDIA

*September* 2017

**Bachelor of Computer Engineering** from Shanghai University, China



## Projects and experiences

*April* 2021

Server development project with Node.js/Express/HTML/CSS

- Built the connection with MySQL database and realized the functions of adding, modifying, querying and deleting internship information
- Applied express.js/CSS/HTML to create a web server and make a web with the data collected and the interface to change the data
- Created log file and local directory to store CV and other files after each change.

*February* 2021 Digital security and encryption project with Python

- Used RSA to develop encrypted message and signature verification between two communicators
- Worked on Euclidean algorithm, Chinese remainder theorem, CBC, sha256, MD5 and other methods to improve signature verification process and encryption

*Janvier* 2021

Library management system project in Java / swing / JDBC / MySQL

- Made Connection to database Mysql to access different tables
- Realization and beautification of user login interface and other interfaces
- Created the functions of adding, modifying, querying and deleting books and book categories

*September* 2020

Assembly line management of a jam factory project with C/C++ Linux

- Familiar with the basic knowledge of multitask programming and operating system
- Used multi process, multi thread, semaphore, mutex and other knowledge to realize synchronization between tasks
- The tasks include alternately placing jam boxes of different sizes, opening and closing jam valves, and clock functions