



Solutions Architect Internship for 6 mois



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/Unix

Node.js/Express

Oracle/PL/SQL

HTML/CSS/Javascript

Python

Labview

Excel/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

- Used cheerio / puppeteer to collect data into database MySQL from online movies site
- Applied express.js/CSS/HTML to create a web server and make a web with the data collected

February 2021 Digital security and encryption project with Python

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

January 2021 Network programming project with C++

- Used TCP / IP, UDP and socket knowledge to create TCP client and server
- Familiar with IO MULTIPLEXING(selection, polling, epoll) and log file creation.

October 2020 Excel / VBA project

- Customer demand analysis (trainees), existing technology and product comparison
- Wrote VBA program in Excel to import and change the massive data in the worksheets

September 2020 Assembly line management of a jam factory project with C/C++

- Familiar with the basic knowledge of multitask programming and operating system
- Understood the competition mechanism of participation through project sources
- Implemented communication management and synchronization mechanism in the kernel of Linux, UNIX, windows and MacOS X system

March 2020 Quality management project (10 weeks)

- Problems analysis and Countermeasures of university canteen
- Used amdec for solution evaluation and risk analysis, use Kaizen, 5S, Six Sigma for improvement
- Applied Gantt chart and MSP knowledge