

# Weixuan XIAO

Searching an opportunity of PhD in Computer Science, from March 2020

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CV with more detail: <https://cv.inoki.cc/fr.html> GitHub: <https://github.com/Inokinoki>



## EDUCATIONS

2017 – 2020

Engineer's Degree

Computer Science and

Engineering

University of Technology

of Compiègne

2014 – 2019

Bachelor's Degree

Information System

Shanghai University

## LANGUAGES

**French**

Level B2

**English**

Level B2 (TOEIC 880)

**Japanese**

Level B1 (JLPT N3)

**Chinese**

Mother tongue

## SKILLS

C/C++

Objective-c

Python

Java

JavaScript

Qt

Database

Docker

Android

Arduino

React JS

Scikit-learn

OpenGL

Unix/Linux

## EXPERIENCES

### EDF R&D / R&D Intern

August 2019 – Present, Palaiseau



Implemented the ISO 15118 « Vehicle to grid communication interface » protocol for an intelligent charging scenario of electric vehicle

Designed and implemented several private protocols on application layer for internal communications in charge station and in electric vehicle

### KDE COMMUNITY / Google Summer of Code 2019



May 2019 – August 2019, Open Source

Ported « KDE Connect » to macOS with some enhanced functionalities, including Notification Sync, Clipboard Sync, etc.

Proposed and implemented the integration of « D-Bus » in KDE apps

Implemented extra native functionalities on macOS, benefitting the hybrid compiling between C++ and Objective-c

### SWOOLE COMMUNITY / Contributeur



July 2018 – August 2018, Open Source

Contributed to the disconnect method of WebSocket server with status code and reason according to RFC 6455

Worked on “onMessage” method for listening WebSocket close frame

### BNBLORD / Full Stack Intern



January 2018 – July 2018, Paris

Made a Call Center module for team in ExtJS, Django and Twilio API

Built a crawler with Selenium, Requests and BeautifulSoup to collect the data of BnbLord, which is stocked in bookingsync.com

Built and maintained a standalone application for guest in ReactJS

Built a native application with React Native for iOS and Android

### SIGNIN TECHNOLOGY / Full Stack Intern



January 2015 – August 2015, Shanghai

Built dianmingle.me website with Apache2, MySQL, PHP Stack

Designed and developed Web and mobile JSON API on PHP

Built an Android Application with mobile API for QR Code sign in system

## RESEARCH

### Core courses and mastered knowledge:

Data Structure and Algorithm, Telecommunication Theory

Probability and Statistics, Artificial Intelligence, Advanced Automated

Linear Algebra, Numerical Analysis (Scientific Computing)

Computer network (protocol design, fundamental concepts)

Analysis and synthesis of images (machine learning and image processing)

**Paper:** « Numerical study of ballast-flight caused by dropping snow / ice block in high-speed railways using Discontinuous Deformation Analysis (DDA) » under review by « Transportation Geotechnics »