

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/>

GitHub: <https://github.com/Inokinoki>



EDUCATIONS

2017 – 2020

Engineer's Degree

Real-time System and

Embedded System

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++, Qt

Objective-c

Python

Java

ARM assembly

Docker

Android

Arduino

React JS

Scikit-learn

OpenCV

OpenCL

OpenGL

Unix/Linux

EXPERIENCES

EDF R&D / R&D Intern

August 2019 – Present, Palaiseau



Implemented ISO 15118 « Vehicle to grid communication interface »

protocol on an ARMv5 board without hardware float processor

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 Open Source project « 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, hacked FreeBSD

dynamic library format « dylib » and fixed issues in « KDE Connect »

EMBEDDED SYSTEM DEVELOPMENT / Student



January 2019 – June 2019, 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

SWOOLE COMMUNITY / Contributor



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

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, Computer network, Analysis and Synthesis of images

Embedded System (Firmware, driver, embedded system architecture)

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 »