

# TIAN CHENG "RICHARD" XIA

Name

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Surname

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**Area of interest:** Artificial intelligence and data analysis

## EDUCATION

**BSc in Computer Science** 2020 – present  
Alma Mater Studiorum, University of Bologna

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**High school diploma, major in IT** 2015 – 2020  
Aldini Valeriani, Bologna, Italy  
Final degree: 100/100 with honors.

## CERTIFICATES

**CS50's Introduction to AI with Python** 2022  
HarvardX  
[Link to certificate](#)

Resolution of problems using algorithms based on graphs, statistics, optimization and machine learning.

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**CISCO: IT Essentials** 2018  
CISCO Networking Academy  
Maintenance and administration of computers and networks.

## LANGUAGES

Italian native speaker  
Chinese full professional proficiency  
English full professional proficiency (IELTS 7.5)

## OTHERS

Driving licence owner

## WORK EXPERIENCE

**IT/IS Office, Intern** dec 2019  
july 2019  
feb 2019

Toyota Material Handling Manufacturing Italy

Internship organized during high school.  
IT support, maintenance and setup of network devices.  
SQL programming, automation with bash and batch scripts.

## SKILLS

### Data analysis

Development with **Python**.  
Data preprocessing and cleaning with **Pandas** and **Numpy**.  
Data visualization with **Matplotlib** and **Seaborn**.  
Design of machine learning models with **Scikit-learn**.  
Definition and training of neural networks with **Tensorflow** and **Keras**.

### DevOps

Usage of **Docker**. Automations with **Ansible**.  
Design and definition of pipelines with **Jenkins**,  
**Gitlab Runner** or **Github Actions**.

### Web development

#### Backend

Implementation of backends with **PHP** or **NodeJS**.  
Design and development of **REST APIs**.  
Knowledge of both **relational** and **non-relational** databases.

#### Frontend

Development of pages with **HTML/CSS** and **Javascript**.  
Knowledge of **React**, **Vue** and **Nuxt** frameworks.  
Usage of **Bootstrap** and **Tailwind**.

### Other programming languages

C, C++, Java, Assembly x86