# TIAN CHENG "RICHARD" XIA
Name                                                                 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

**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 the certificate`

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

**CISCO: IT Essentials**                       2018
CISCO Networking Academy

Maintenance and administration of computers and networks.

## LANGUAGES

Italian     native speaker
Chinese     fluent
English     fluent

## 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