

# TIAN CHENG (RICCARDO) XIA

Name

Surname

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## EDUCATION

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**M.Sc. in Artificial Intelligence** · University of Bologna, Italy 2023 – present

**B.Sc. in Computer Science** · University of Bologna, Italy 2020 – 2023

Thesis title: Subtopic-oriented biomedical summarization using pretrained language models

Graduation grade: 110/110 cum laude

**Technical Institute Diploma** · Aldini Valeriani, Bologna, Italy 2015 – 2020

Informatics specialization

Graduation grade: 100/100 cum laude

## WORK EXPERIENCE

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**Research Intern** · National Institute of Informatics, Tokyo, Japan July 2025 – Jan 2026

**IT/IS Office Intern** · Toyota Material Handling Manufacturing, Bologna, Italy Dec 2019, July 2019, Feb 2019

- Provided technical support to internal users.
- Configured network devices and mapped the connections between network racks across the production plant.
- Created scripts to generate reports from SQL queries and to automate some tasks on the assembly line.

## CERTIFICATES

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**CS50's Introduction to AI with Python** · HarvardX 2022

Problem-solving using algorithms based on graphs, statistics, optimization, and machine learning.

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

Maintenance and administration of computers and networks.

## SKILLS

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**Machine learning** Python · scikit-learn · TensorFlow · PyTorch

**DevOps** Docker · Ansible · Jenkins · GitLab Runner · GitHub Actions

**Databases** MySQL · MongoDB

**Web development** NodeJS · PHP · Vue · Nuxt · React · Bootstrap · Tailwind

**Other languages** C · C++ · Java · Kotlin · Assembly x86 · Prolog

## LANGUAGES

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**Italian** native speaker

**English** professional proficiency (IELTS 7.5; TRF: 23IT002480XIAT010A)

**Chinese** professional proficiency

## PUBLICATIONS

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Xia, Tian Cheng; Bertini, Flavio; Montesi, Danilo. (2025). "Large Language Models Evaluation for PubMed Extractive Summarisation". *ACM Transactions on Computing for Healthcare*. Under review.

Ciancarini, Paolo; Giancarlo, Raffaele; Grimaudo, Gennaro; Missiroli, Marcello; Xia, Tian Cheng. (2025). "The Design and Realization of a Self-Hosted and Open-Source Agile Internal Development Platform". *IEEE Access*. DOI: 10.1109/ACCESS.2025.3564141.