Joshua Tan

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EDUCATION

Bocconi University   **September 2023 – June 2026 (Expected)**
BSc in Mathematical and Computing Sciences for Artificial Intelligence   *Milan, Italy*
- Relevant courses: Computer Programming and Algorithms, Mathematical Statistics, Linear Algebra, Mathematical Analysis and Optimization, Economics

PROJECTS

Portfolio Website   **October 2024 – Present**
Personal Portfolio   *HTML, CSS, JavaScript*
- Designed and implemented a **responsive digital portfolio** website using vanilla HTML, CSS, and JavaScript

Remoire   **September 2024 – December 2024**
theHackLab Hackathon Project   *JavaScript, Python, HTML, CSS • React, Flask*
- Developed a wardrobe tracker web app in **React** for front-end routing and responsive user interactions
- Redesigned 10+ APIs with **REST architecture** to avoid rendering Flask templates, **reducing loading times by 80%**
- Created 20+ new **Flask APIs** using **SQLAlchemy** to access database and enable interactive wardrobes and social feed

Pong++   **August 2024 – October 2024**
Personal Project   *C++ • SDL2, CMake*
- Recreated *Pong* from scratch using **C++ and SDL2** to work directly with low-level system resources

EXTRA-CURRICULAR ACTIVITIES

Bocconi AI and Neuroscience Association   **September 2024 – Present**
Digital Division Member
- **Research real-world applications of AI**, simplifying complex topics in **5+ articles and infographics**

Bocconi Students Women in STEM and Economics   **September 2024 – Present**
Researcher
- **Quantify bias in LLMs** using a sentiment analysis framework

theHackLab Bocconi Student Association   **September 2024 – Present**
Full-stack Developer (Front-end focus)
- Collaborate with a team of 3 to develop a wardrobe tracker web app using **React** and **Flask**, ranking **2nd place** in semester-long hackathon

Travel@B Student Society   **April 2024 – Present**
Head of Media and Advertising
- Grew Instagram to **225k monthly views**, contributing to **1.2k follower growth in 6 months** through graphic designs
- **Lead team of 10** to streamline media operations, enhancing brand visibility

AWARDS

2nd Place - theHackLab Hackathon (First Edition)   **December 2024**

WORK EXPERIENCE

Rocky Point Ice Cream   **March 2023 – August 2024**
Shop Attendant   *Port Moody, Canada*
- **Trained 20+ new employees** and earned **over 15 commendations** for exemplary customer service

SKILLS

Programming languages: C, C++, CSS, HTML, JavaScript, Python, R
Libraries/frameworks: Flask, React, SDL2, SQLAlchemy
Tools: Affinity Designer, Canva, CMake, Git, REST APIs
Languages: native English, limited working Italian, elementary French