

CHEN BO CALVIN ZHANG

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EDUCATION

MSc Data Science - *ETH Zürich*

2021 - 2023 Zürich, Switzerland

- ETH-D Scholarship (awarded to approximately 30 students out of more than 2000 accepted students).

BSc (Hons) Computer Science and Maths - *University of Manchester*

2018 - 2021 Manchester, UK

- Expected Grade: First-Class Honours (equivalent to 4.0 GPA)
- Relevant Courses: Object-Oriented Programming, Software Engineering, Machine Learning, Computer Graphics, Game Theory & AI, Cognitive Robotics, Computer Vision, Linear Algebra, Calculus, Real & Complex Analysis, Probability, Statistics, Generalized Linear Models
- Thesis Project: “Adversarial Attacks on Reinforcement Learning Agents for Atari Games”

Diploma Esame di Stato Applied Sciences Track - *Liceo Scientifico M. Fanti*

2013 - 2018 Carpi, Italy

- Grade: 100 *cum Laude*/100

EXPERIENCE

Researcher and Software Developer - *Aios*

Mar 2021 - Present Cambridge, UK

Involvement in early stages of the startup. Researching the use of machine learning techniques to develop a new EdTech platform, with the aim of building a more robust education for future generations.

Summer Research Student - *University of Manchester*

May 2020 - Sep 2020 Manchester, UK

Employed Machine Learning approaches (*regression, FNN, RNN, Social LSTM*) to analyze the behavior of quasi-particles. Collaborated with researchers and a PhD student and produced an internal report.

Software Engineering Summer Internship - *Axon AI*

Jul 2019 - Aug 2019 Modena, Italy

Implemented backtest for trading strategies, which was integrated into the company’s product and used internally.

POSITIONS OF RESPONSIBILITY

Peer Assisted Study Leader - *University of Manchester*

Sep 2019 - Jun 2020 Manchester, UK

Facilitated first year students through weekly activities, including revision sessions and career advice.

Maths Olympiads Trainer and Team Captain - *Liceo Scientifico M. Fanti*

2016 - 2018 Carpi, Italy

Coordinated school’s maths team (national semifinalists) and delivered training sessions before competitions.

Italian Delegate - *Investiga I+D+i*

May 2015 - Oct 2015 Carpi, Italy and Madrid, Spain

Represented Italy in the field of biochemistry working on a project on artificial life and collaborated with an international team to present our results at the Santander headquarters in Madrid.

PROJECTS & COURSES

R Programming - *Coursera, Johns Hopkins University*

Aug 2020

Learned about the R programming language and how to use it for data science projects.

Deep Learning Specialization - *Coursera, deeplearning.ai*

Jul 2020 - Aug 2020

Learned about the theory of deep learning and applied knowledge in projects using python and tensorflow.

WaWa Bot - *HackQuarantine 2020* - github.com/zhangchenbocalvin/wawa-bot

Apr 2020

Developed a Whatsapp bot in python for COVID-19 updates. Learned about Twilio and Flask.

Jurassic Journey - *HackUPC 2019* - github.com/mudassir-ahmed/hackUPC2019

Oct 2019

Developed a multiplayer game using the Skyscanner API. Designed the front end and worked on the animations.

AWARDS & ACHIEVEMENTS

2019 Golden Anniversary prize (top 6/250 students), University of Manchester, UK

2018 Kilburn entry scholarship (top 30%), University of Manchester, UK

2018 Silver medal in district physics competition

2018 Selected as best student of the school for the Rotary Youth Leadership Awards (RYLA)

2018 Scholarship for academic excellence by “Fondazione Cassa di Risparmio di Carpi”, Carpi, Italy

LANGUAGES

Italian (native), English (proficient/fluent), Chinese (conversational), German (learning).

INTERESTS

Violin (managed the University String Orchestra), photography, dodgeball (committee position in university team).