

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 (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 - *Axyon 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).