

Martin Bartolo

Boulder, CO | martin9oh9@gmail.com | (720)-900-8410

martinbartolo.com | <https://www.linkedin.com/in/martinbartolo> | <https://github.com/martin-bartolo>

Profile Summary

- Recent M.S. in Computer Science graduate. Passionate about using cutting-edge technology to design and develop reliable, elegant software solutions. Seeking exciting and challenging full-stack or front end development opportunities but also open to similar roles in the software engineering field.
- Citizenship:** US and Malta (EU) dual-citizenship. Willing to travel between the US and Europe.
- Key Skills:** Python, Java, SQL, JavaScript, TypeScript, HTML, CSS, React, Nextjs, Tailwind CSS, Git and Github, PyTorch, TensorFlow, Docker, Flask, Windows, Linux
- Other Interests:** Frontend UI development, Music Production ([Youtube Channel](#) with over 4k subscribers and 1.25m views)

Work Experience

University of Colorado Boulder (Boulder, CO)

Machine Learning Annotator

March 2022 – May 2023

- Contributed to the creation and maintenance of 3 different natural language processing datasets for use in research by the Computational Linguistics Department.
- Adjudicated over 10,000 data annotations made by my team, ensuring that the datasets were ready to be used by machine learning models before the assigned deadlines.

Computer Science Grader

August 2021 – December

2021

- Graded homework and exams for over 100 students.
- Ran group and individual sessions to tutor students and answer their questions.

Fiverr.com

May 2016 – July 2021

Freelance Graphic Designer

- Grew a successful online store from the ground up on fiverr.com, offering graphic design services such as branding, logo design, and social media graphics.
- Worked with over 1000 individuals and brands such as [Principal IT](#) and [Bark Butter](#), Building a strong and loyal customer base, amassing over 1100 orders and 900 5-star reviews.
- Visit <https://www.fiverr.com/martinbartolo> to view my work and testimonials.

Education

University of Colorado Boulder (Boulder, CO)

August 2021 – May 2023

Master's Degree (M.S.) in Computer Science

- GPA: 3.8/4.0
- Coursework:** Software Engineering, Algorithms, Machine Learning, Neural Networks and Deep Learning, Cybersecurity, Big Data Analytics, Natural Language Processing

Projects:

- Capstone project with Lockheed Martin** titled 'Subcontract Scorecard Predictive Analytics' analyzing supply chain risks using **Spacy** for natural language processing and **PyTorch** to fine-tune **Hugging Face** transformer models. The models were handed off for use by the Lockheed Martin team at the end of the project.
- Full-stack weather application** for a software engineering group project. In charge of front-end using **React** and **Javascript** to display location-specific weather data from open-source APIs. Integrated with a **Flask** backend for CRUD operations on user/weather data from our database. [Video Demo](#)
- Image tag recommendation application** for a class 2-person project. Used **React** and **Javascript** with a **Flask** back-end and **MongoDB** database to suggest tags for uploaded images using a pre-trained **Hugging Face** transformer model. Tags were stored and used to filter the images. [Video Demo](#)

University of Malta (Msida, Malta)

October 2017 – June 2021

B.Sc. (Hons) Computing Science and Mathematics (Double Major)

- GPA: 3.3/4.0
- Included year-long student exchange at the University of Warwick in the UK. (GPA: 3.4/4.0)
- Projects:** Dissertation titled 'Automated Data Collection Using Spatial Relationship Detection in Videos' (A grade) in which I developed a system that could analyze videos and find the spatial relationships between identified objects in each frame using Python and Tensorflow. [Research Paper](#)