Martin Bartolo

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- **About me:** I enjoy building reliable, elegant software solutions from start to finish. Excited about creating, I find joy in bringing ideas to life. US and Malta (EU) dual-citizenship. Willing to relocate/travel between the US and Europe. Seeking exciting and challenging software development opportunities.
- **What I'm up to:** Working as a contract full-stack developer with Aegimus Software while also focusing on my personal project, a web e-commerce platform for independent music creators using React/Next.js, TypeScript, and Supabase.
- **Key Skills:** Python, TypeScript, React, Nextjs, Angular, AWS, Git, PyTorch, Docker, Adobe Photoshop, Adobe Illustrator, Figma
- **Other Interests:** Music Production ([Youtube Channel](#) with over 4k subscribers and 1.5m views), Hiking, Skiing, Fishing, Liverpool FC

Work Experience

Aegimus Software (Remote)

Full-Stack Developer (Contract)   **October 2023 - Present**
- Helping to expand into the ML Ops field, contributing to the implementation of solutions for efficient model deployment and data processing.
- Working on application UIs using Angular and SCSS.

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 on fiverr.com, offering graphic design services and working with over 1000 individuals and brands, amassing over 1100 orders and 900 5-star reviews in the process.

Education

University of Colorado Boulder (Boulder, CO)   **August 2021 – May 2023**

Master's Degree (M.S.) in Computer Science
- GPA: 3.8/4.0
- **Capstone project with Lockheed Martin** analyzing supply chain risks using **Spacy** for natural language processing and **PyTorch** to fine-tune **Hugging Face** transformer models. Models were handed off for use by the Lockheed Martin team at the end of the project.

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)
- **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](#)

Certifications

Machine Learning Engineering for Production (MLOps) Specialization   **November 2023**
Coursera