Bartol **Freškura**

DATA SCIENTIST · SOFTWARE ENGINEER

10000 Zagreb, Croatia

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Experience

Owner
Zagreb, Croatia

SERIOUS INTELLIGENCE
Dec. 2019 – Present
- Freelance projects related to Natural Language Processing and Computer Vision.
- Offering consultancies as a Deep Learning and Machine Learning expert.

Co-founder and Data Scientist
Zagreb, Croatia

VELEBIT AI
Nov. 2019 – Present
- Research and development of Machine Learning models in the domains of CV and NLP.
- Business development and sales. Searching for new leads, establishing the sales pipeline.
- Defining technical and business strategic goals.

Data Scientist
Zagreb, Croatia

STYRIA DATA SCIENCE / STYRIA.AI
Jul. 2016 – Oct. 2019
- Led a team of interns on a global scale Object Detection competition achieving top 15% team ranking. Presented results at the ECCV 2018 conference in Munich.
- Actively promoting the Data Science team by giving motivational and educational presentations, along with writing technical blogs.
- Boosted the 900 class classificator model accuracy by more than 8%.
- Research, implementation, and maintenance of cutting-edge Machine and Deep Learning projects in the fields of Computer Vision and Natural Language Processing.

Lead Machine Learning Engineer
Zagreb, Croatia

AUTONOMOUS DRONES STARTUP
Feb. 2017 – Oct. 2017
- AI powered Drone designed for Detection, Tracking, and Assault of miniature objects from high altitude.
- Developed Object Detection and Autonomous Drone Controlling modules.
- Adapted SOTA Deep Learning architectures for execution on low-energy consuming computer.

Software Developer
Zagreb, Croatia

CROZ
Jul. 2015 – Oct. 2016
- Upgraded NAO humanoid robot with interactive language characteristics using Natural Language Processing technologies.
- Produced multi-platform mobile application without bugs.
- Created Android application for the global cycling competition.
- Developed back-end and front-end web solutions.

Projects

Robust Machine Learning Challenge Winners
Zagreb, Croatia

REGIONAL DATA SCIENCE COMPETITION HOSTED BY MICROBLINK AND ESTUDENT
Feb. 2018 – Jun. 2018
- Robust Receipt Classification combined with a Novelty Detection Task.
- Winning Architecture with a score margin of more than 4% among 30 teams.
- Award for the Best Presentation.

Lektire
Zagreb, Croatia

ANDROID APPLICATION
Feb. 2013 – Apr. 2013
- Summaries of books read in Croatian elementary and high schools.
- 250,000+ downloads, #2 Top Books & Reference Apps category on Google Play Store.

Education

Faculty of Electrical Engineering and Computing
Zagreb, Croatia

MASTER IN COMPUTER SCIENCE
Oct. 2013 – Jun. 2018
- Master Thesis – Text-Based MBTI Personality Type Prediction. State of the art results on a novel dataset in Croatian language.
- Bachelor Thesis – Deep Recurrent Models application for stance detection in user comments.
- Extracurricular courses – R Programming, Advanced Linux, Haskell Programming

Individual Coursework

MOOC COURSES
- Data Analysis and Statistical Inference, R Programming, Exploratory Data Analysis, Cleaning Data, Regression Models, Introduction to Finance, Corporate Finance, Financial Accounting, Programming Applications for Android Systems

Skills

Programming Languages

- Python (exprnd.), R (exprnd.), Java (intermed.), C (intermed.), Haskell (nov.), HTML & CSS (intermed.), Javascript (nov.)

Miscellaneous Software and Applications

Frameworks, Libraries and other Operating Systems

- Tensorflow, Pytorch, Office Suite, Linux, Docker, LaTeX, Git, Django, Android, Bootstrap

Other Skills

Languages and non-expertise related skills

- English (fluent), Croatian (native), German (elementary)
- Adobe Photoshop, Adobe Illustrator, Adobe After Effects, Adobe Premier Pro