PhD in Computer Vision @
University of Zagreb
Croatia

Links

david.bojanic@fer.hr
davidboja.github.io
github.com/DavidBoja
linkedin.com/in/dbojanic

Skills

Python	Pytorch
Docker	Bash
Matlab	R

Language

Croatian (native)
English
Italian

David Bojanić

Research Scientist

Education

Apr 2019 – present | **PhD in Computer Vision**
Faculty of Electrical Engineering and Computing, University of Zagreb, Croatia
> 3D human body shape and pose estimation
> Teaching responsabilities: Mathematical Analysis, Statistical Data Analysis
> Thesis: Learning to estimate anthropometric measurements from partial 3D data

Oct 2016 – Feb 2019 | **M.S. in Financial Mathematics**
Faculty of Science, Department of Mathematics, University of Zagreb, Croatia
> Additional CS courses *Machine Learning* and *Artificial Intelligence*
> Thesis: Machine learning using regression and SVM

Oct 2013 – Oct 2016 | **B.S. in Mathematics**
Department of Mathematics, University of Rijeka, Croatia
> Graduated magna cum laude

Work

Feb 2024 – July 2024 | **Visiting researcher at INRIA, Grenoble**
> Visit to the MORPHEO group
> Removing constraints from 3D digital anthropometry
> Supervision: Stefanie Wuhrer

Oct 2022 – Oct 2022 | **Visiting researcher at INRIA, Grenoble**
> Visit to the MORPHEO group
> 3D human shape and pose estimation from partial sensor data
> Supervision: Edmond Boyer & Stefanie Wuhrer

Jun 2022 – Jun 2022 | **Visiting researcher at TU Dresden**
> Visit to the CGV lab
> 3D registration of partial human body scans and parametric clothes estimation
> Supervision: Stefan Gumhold

May 2018 – Nov 2018 | **Junior data scientist at Acquaint, Zagreb**
> Internship at a machine learning startup
> ML for guest activity recommendations and their automatic scheduling, missing data imputation, etc.

Publications

ECCV 2024 wksp. | **Pose-independent Anthropometry from Sparse Landmark Data**
> Removing digital anthropometry constraints by proposing a method that can estimate body measurements from posed and sparse data

MVA 2024 | **Addressing the Generalization of 3D Registration Methods with a Featureless Baseline and Unbiased Benchmark**
> Fundamental 3D registration questions: adequate baselines and benchmarks

BMVC 2022 wksp. | **Challenging the Universal Representation of Deep Models for 3D Point Cloud Registration**
> Addressing the generalisation issues of DL methods for 3D registration

CVPR 2022 | **Generalizable Human Pose Triangulation**
> Stochastic framework for human pose estimation

IEEE 2021 | **A review of body measurement using 3D scanning**
> Overview of 3D scanning and measurement estimation from 2D and 3D data

Projects

SMPL-Anthropometry Public
Measure the SMPL body model
Python ☆ 156 22

SMPL-Fitting Public
Fit an SMPL body model to a scan
Python ☆ 30 2