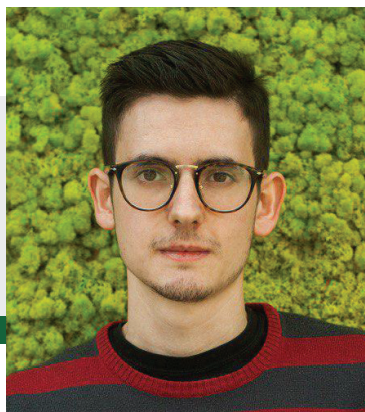


Federico Favia

Computer Vision MSc Student



ABOUT me

I am passionate about technology and innovation, but especially visual data. I love working hard within a team, improving each other and learning new skills to overcome difficulties. In particular I believe that contamination of different backgrounds is fundamental to boost my future career. I am currently looking for a challenging position in computer vision field.

CONTACTS

- 04.11.1994, Mantova (Italy)
- +39 3465759669
- 9B, Strada del Corriere, Borgo Virgilio
- federic.fav@gmail.com
- federico-favia
- Github
- Portfolio

LANGUAGES

- English B2 (FCE Cambridge)
- Italian (Mother tongue)

SOFTWARE SKILLS

- C/C++
- OpenCV
- Matlab
- Python
- Keras/TF
- Microsoft Office
- Adobe Ps/Ai
- Arduino IDE

PERSONAL SKILLS

- TEAM WORK
- CREATIVITY
- PROBLEM SOLVING
- PUBLIC SPEAKING

EXPERIENCE

Master Thesis Project

27.01.2020 - Present

MANOMOTION AB, STOCKHOLM

"Real-time hand segmentation using deep learning": Computer Vision and Deep Learning research project about segmentation of hands to improve AR hand tracking technology developed by ManoMotion. Implementation and evaluation of different architectures in Keras and Tensorflow, especially to test if they are feasible for constrained mobile smartphone deployment.

Student Internship & Thesis Development

23.04.2018 - 23.07.18

XTENSA SRL, TRENTO (ITALY)

Realistic computer vision project through C/C++ programming and use of libraries for image and video processing, as OpenCV. Convolutional neural networks approach, in particular YOLOv3, state-of-the-art real-time object detection system. Implementation and validation of a detection and tracking system about soccer players.

High School Internship

09.06.2014 - 20.06.2014

ORG. MEDIAZIONE FORENSE, MANTOVA (ITALY)

4th year of High School. Management and archive of practices.

EDUCATION

KTH / University of Trento EIT Digital Academy

2018 - Present

MSc, DOUBLE DEGREE PROGRAMME VISUAL COMPUTING AND COMMUNICATION INNOVATION AND ENTREPRENEURSHIP

2nd and last year at KTH, Stockholm, as exit university. Specialisation in Mobile Visual Computing. It is a two-year double (joint) degree master programme, coordinated by the EIT Digital Master School with a Major in Visual Computing Communication, and a Minor in Innovation & Entrepreneurship. Previously entry university: Trento

University of Trento (Italy)

2015 - 2018

BSc, INFORMATION AND COMMUNICATIONS ENGINEERING, 105/110

Final Thesis project: "Convolutional Neural Networks' use for detection and tracking of players in sport events", developed after the internship at Xtensa Srl. Relevant Elective courses: Image Processing and Transmission, Biomedical Diagnostic Techniques and Remote Sensing. Additional project:

ELEDIA ETRP Talented: Basic laboratory course of Electromagnetic Field Simulators (FEKO, CST, COMSOL, ANSYS HFSS), Trento, 2017

Liceo Scientifico Scienze Applicate "Enrico Fermi", Mantova (Italy)

2010-2015

SCIENTIFIC HIGH SCHOOL, 100/100

Additional project: Certificate "Rotary Youth Leadership Awards (RYLA)", Albarè di Costermano, 2013

PROJECTS

WINNERS "HACK FUTURE OF SME BANKING"

Budapest, 06.12.19 - 08.12.19
Ultrahack & EIT Hackathon won in Budapest with my team to improve OTP E-biz platform

STARTUP LAB TRENTO

Clab Trento, February 2019 - May 2019
Business Development Laboratory
Our team arrived in the finals with our IOT safety device for mountain bikers (awarded with best IoT project and best entrepreneurial project of the year)

COMPUTER VISION and IMAGE PROCESSING projects

- Naval Traffic's Estimate in Venice
- SIFT/SURF features for Image matching
- Vocabulary Tree for Visual Search System
- Edge Detection, Hough Transform and Object Segmentation
- DCT and FWT Image Compression

CERTIFICATES

HELSINKI EIT DIGITAL SUMMER SCHOOL

Aalto University, 04.08.2019 - 16.08.2019
Disrupting Retail - Digitalization, Growth, and User Engagement

BEST IoT PROJECT

Startup Lab Demo Day, 29.05.2019
Award by KMB Lab Trento for best IoT product: coaching session by local startup KissMyBike