

COSMIN STAN

Imaging R&D

ABOUT

I am an imaging specialist with **15+ years** of experience in the consumer electronics business. Nearly **2 billion** mobile phones, DSLRs, mirrorless or action cameras are powered by imaging technologies that I have developed or contributed to. I hold **7 patents**, and i am an **MSc in Computer Science**. Some of my work includes Face Beautification, 3D Relighting, HDR, EIS, Portrait Bokeh and IMAX Enhanced. I am passionate about cameras and I teach photography.

CONTACT

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EXPERIENCE

Head of Engineering, Mobile Imaging – XPERI 2019–2022
Sr. Director, Engineering – XPERI 2018–2019
Director of Product Management – XPERI 2017–2018
Sr. R&D Manager – XPERI 2011–2017
R&D Manager – FotoNation 2010–2011
Software R&D Engineer – FotoNation 2007–2010
Teaching Assistant – Politehnica Bucharest 2004–2007

INNOVATIONS & ACHIEVEMENTS

- Created **the first video beautification** solution in a mobile phone and the first complex still face retouching feature in the world
- Developed **the first GPGPU computational imaging** algorithm ever in production
- Developed **the first portrait relighting** based on real-time 3D meshing
- Led FotoNation RedEye, **the first embedded computational imaging** solution in a digital camera
- Invented one of **the first face priority continuous autofocus** algorithms
- Pioneered **the first Ai Camera**
- Developed & led the IMAX Enhanced for Mobile Camera program

SKILLS

- Computational Imaging
- Camera systems
- Image quality
- Color science

DESIGN WINS

DJI, Honor, Huawei, LG, Oneplus, Oppo, Nubia, ZTE