Kosta Grujcic

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EXPERIENCE

Microsoft   **Belgrade, Serbia**
Software Engineer 2 (Applied Sciences Group)   *December 2022 – present*
- Deployment of machine learning models
- Model quantization
- Pipeline work

Microsoft   **Belgrade, Serbia**
Software Engineer (Mixed Reality team)   *March 2021 – December 2022*
- Geometric computer vision

Microsoft   **Belgrade, Serbia**
Software Engineering Intern (Cognition team)   *July 2019 – October 2019*
- Ego-centric gesture recognition applied on ASL

Microsoft   **Belgrade, Serbia**
Software Engineering Intern (Analog. Science team)   *July 2018 – September 2018*
- Using deep learning to assist manual ground-truth labeling for eye tracking

PATENTS & AWARDS

Patent   **Microsoft**
Multimodal Face Tracking for Expressive Facial Animation and Understanding   *November 2022*

Nedeljko Parezanovic's award   **Belgrade, Serbia**
CS student with the highest GPA in generation   *October 2021*

National Competition in Informatics   **Belgrade, Serbia**
Absolute winner   *April 2017*

Serbian Olympiad in Informatics   **Belgrade, Serbia**
Bronze medal   *2016, 2017*

EDUCATION

Faculty of Mathematics   **University of Belgrade, Serbia**
MSc in Computer Science (GPA 9.3/10.0)   *October 2021 – June 2023*

Faculty of Mathematics   **University of Belgrade, Serbia**
BSc in Computer Science (GPA 9.9/10.0)   *October 2017 – September 2021*

Matematička gimnazija   **Belgrade, Serbia**
Mathematical Grammar School (GPA 4.8/5.0)   *September 2013 – June 2017*

PROJECTS

Rendering With Neural Radiance Fields   *2023*
- Master thesis
- Comparative analysis of multiple architectures

Reduced GAN Learning   *2021*
- Training DCGAN on reduced data under Lipschitz conditions
- Implemented in PyTorch

Yamb   *2020*
- Two players playing Yamb online
- Fully implemented in C++

Gradient Descent Visualization   *2020*
- Step-by-step visualization for specific functions
- Fully implemented in C++ using OpenGL

ASL Gesture Recognition From Depth Images   *2019*
- Hand segmentation using DNN on depth images
- Gesture recognition using only DNN output