




# Kosta Grujic

03.09.1998. | Belgrade, Serbia

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## EXPERIENCE

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### Microsoft

*Software Engineering Intern (Cognition team)*

- Ego-centric gesture recognition applied on ASL

**Belgrade, Serbia**

*July 2019 – October 2019*

### Microsoft

*Software Engineering Intern (Cognition team)*

- Using deep learning to assist manual ground-truth labeling for eye tracking

**Belgrade, Serbia**

*July 2018 – September 2018*

## EDUCATION

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### Faculty of Mathematics

*Bachelor in Computer Science (GPA 9.97/10.0)*

**University of Belgrade, Serbia**

*October 2017 – present*

### Matematička gimnazija

*Mathematical Grammar School (GPA 4.75/5.0)*

**Belgrade, Serbia**

*September 2013 – June 2017*

## PROJECTS

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### Reduced GAN learning

2021

- Training DCGAN on reduced data under Lipschitz conditions

### Yamb

2020

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

### Loyd puzzle solver

2020

- Solving either  $3 \times 3$  or  $4 \times 4$  puzzles
- Comparison between different A\* variations

### ASL Gesture Recognition From Depth Images

2019

- Hand segmentation using DNN on depth images
- Gesture recognition using only DNN output

### Comparative Analysis of Priority Queues

2017

- *Graduation project*
- Comparison of different priority queues on graph algorithms

## COMPETITIONS

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- National Competition in Informatics (winner 2017)
- Serbian Olympiad in Informatics (3<sup>rd</sup> prize 2016, 2017)
- ACM-ICPC SEERC (participant 2017, 2018)
- Microsoft Bubble Cup (finalist 2017)

## SKILLS & INTERESTS

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- Machine Learning, Deep Learning, Computer Vision, Computer Graphics
- Algorithms, Data Structures
- Calculus, Linear Algebra, Probability, Statistics
- Python, C++, Java, SQL, git