**Anatolii Anishchenko**

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# Goals

* To test my programming skills in real life. Improve my work experience in the team. Get new knowledge in software engineering. Find out how an IT company is built from within.
* To visit Google offices in the United States of America (I have an USA B1/B2 visa until 17.12.20 and Schengen visa until 10.10.19), as I'm very interested in how they are arranged inside. And I really want to feel like a real Googler.
* To get new contacts with the possibility of further cooperation.

# Education

* Graduate of the Physical Technical High School, St.Petersburg, Russia.

Site: <http://www.school.ioffe.ru>

* First-year Bachelor student of ITMO University, St.Petersburg, Russia  
  Faculty of Software Engineering and Computer Technologies.

Site: <http://en.ifmo.ru>

# Skills and abilities

## Programming skills

* Studied Java, C++, Python. Usually I use Java, but if I need to code C++ or Python, I can do it with some Internet help.
* Worked a lot with GIT.
* Have some experience working with Solaris OS.

## Sociability

* I have great experience of communication with foreigners. I participated in the school exchange program, during which I studied for 1 month in the Illinois Mathematics and Science Academy, USA.

Site: <https://www.imsa.edu>

* Helped to organize Thai students visit from Kamnoetvidya Science Academy (KVIS) to Physical Technical High School. I helped to organize cultural events for them and helped to translate their researches posters and presentations from English to Russian.

Site: <https://www.kvis.ac.th>

# Own projects

## CT/MRI Augmented Reality visualization based on mapping with the data from RGB and depth cameras

* In this research two different approaches have been implemented for augmentation of an image of the studied object taken by the surveillance camera with corresponding CT and MRI data. The first approach is based on the augmenting of data using optical marks, which allow to accurately determine object orientation in space. A new augmentation approach has been tested. In this research a depth camera was used to avoid using optical marks which can obscure the view. The implemented approaches were tested during surgery simulation on a plush toy.

This solution can be used to determine the diagnoses, the volumes of pathologies and their location in reference to the object (patient) more accurately.

Unity projects:   
<https://github.com/CT-and-MRI-visualization>  
Presentation and poster:  
<https://drive.google.com/open?id=1aZ8iCZER0q643kH5JrphNX6qQhktgeuH>

# Achievements

## International Science Fair

* Participated in the international school scientific conference "1st KVIS Invitational Science Fair" in Thailand, with my research "CT and MRI augmented reality visualization based on mapping with the data from RGB and depth cameras". Received 2 silver medals for the absolute second place in "the best oral presentation" nomination, and in "the best poster presentation" nomination.

Site: [http://isf.kvis.ac.th](http://isf.kvis.ac.th/)

## Olympiad in Programming

* Participant of the final stage of All-Russian Olympiad in Programming
* Triple awardee of All-Russian Olympiad Programming in Teams

# Work experience

## Teacher at the Summer Computer Science School

* Worked as a teacher at the Summer Computer Science School UniverSum in Munich, Germany. I helped with the organization of the school. I prepared material for following lectures: Java, Augmented and Virtual Reality. During the school, I taught the “Augmented and Virtual Reality” and “Algorithms” courses.

Dates: 27 June 2018 – 11 July 2018

Site: <https://www.univer-sum.ru>

# References

## My teachers at Physical Technical High School

* Mikhail Dvorkin – finalist of Distributed Code Jam 2018 (darnley) – my school teacher in programming – my class teacher; email: [mikhail.dvorkin@gmail.com](mailto:mikhail.dvorkin@gmail.com)
* Konstantin Stolbov – vice principal of the Physical Technical High School – my school teacher in geometry; email: [stolbov2000@mail.ru](mailto:stolbov2000@mail.ru)

## UniverSum Colleagues

* Natalia Netrusova – principal of the UniverSum, 2018; email: [natnetint@gmail.com](mailto:natnetint@gmail.com)
* Vladimir Gurovits – vice principal of the UniverSum, 2018; email: [vladimir.gurovic@letovo.ru](mailto:vladimir.gurovic@letovo.ru)

## Several UniverSum colleagues working in Google

* Arseniy Klimovskiy – Google Zurich; email: [aklimovsky@google.com](mailto:aklimovsky@google.com)
* Kirill Nikolaev – Google Zurich; email: [cyriln@google.com](mailto:cyriln@google.com)
* Artem Tabolin – Google Munich; email: [artemtab@google.com](mailto:artemtab@google.com)
* Irina Brovar – Google Munich; email: [siriocra@google.com](mailto:siriocra@google.com)