github.com/polyprogrammist
polyprogrammist.github.io

Vadim Volodin

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Experience

Jetbrains *Software Engineer, September 2019 - present*

· *Developing an algorithm for* ***tracking screen*** objects in video. Screens are one of the most popular objects to track. After tracking, the content of the screen can be changed. I use computer vision algorithms, OpenCV, Python, and C++.

AiFactory *Software Engineer, July 2019 - August 2019*

· Implemented efficient graphical effects for customized text rendering for Snapchat cameos. Snapchat cameos allow a user to change the actor's face with their face. Customized text is a text on this video. It can be changed by a user. I developed it with C++, OpenGL, OpenCV

Synopsys *Software Engineer, January 2019 - June 2019*

· Boosted Stereo Block Matching algorithm for Synopsys processor 112 times. Stereo Block Matching is the algorithm for estimation of the distance to objects on images. Technologies: C language, MetaWare OpenCL, SIMD, VLIW

Micran *Software Engineer, summer 2018*

· Implemented the plugin for testing radar engines using C++, Qt. It included user interface on Qt, communication with the engine via SPI protocol and the logic for testing.

Yandex *Software Engineer, spring 2018*

· A web app to play Secret Santa game. I implemented a part of frontend using ReactJS.

Education

Saint Petersburg State University *2016 - 2020, Saint Petersburg*

· Pursuing a bachelor's degree in Software Engineering, Mathematics and Mechanics Faculty, System Programming department

Computer Science Center *2017 - 2020, Saint Petersburg*

· Studying software engineering

Technical Experience

Vadim Wants Home

· An android app to help homeless pets to find their home. Worked at Vkontakte hackathon. I implemented the server on python

Student Book

· Platform for studying lectures consequently with self-testing, written in Java

Avosya

· A recommendation system to suggest online courses on issues from StackOverflow, written in Python using pandas, numpy, sklearn, and word2vec at EPAM hackathon

Additional Experience and Awards

· Has reached division 1 on Codeforces platform
· ACM ICPC Quarterfinal in Saint Petersburg - 2016 (30^{th}), 2017 (28^{th}), 2018 (20^{th})
· Participated in AI-DO - olympiad focused on self-driving cars at NIPS (4^{th} place with Jetbrains Research team)

Languages and Technologies

· Have experience with C++ and OpenCV
· Basics of Python, Java