

Contact

urassl@gmail.com

www.linkedin.com/in/urassl
(LinkedIn)

Top Skills

C++
Computer Vision
Machine Learning

Languages

Russian (Native or Bilingual)
English (Professional Working)
German (Elementary)

Certifications

Managing an Agile Team
SIP training
Introduction to Cloud Computing
Machine Learning
Introduction to Containers w/ Docker, Kubernetes & OpenShift

Honors-Awards

"3D Reconstruction Algorithm for a Mobile Device with a Monocular RGB Camera"
Excellence in Execution for Invisalign Personalized Preferences

Publications

Моделирование фоновых условий при наблюдении Земли с малых космических аппаратов
Регистрация изображений и сопровождение объектов
Моделирование входной информации оптической аппаратуры малых космических аппаратов
Maximum likelihood approach to the problem of simultaneous contouring and tracking

Yury Slynko

Senior Software Engineering Manager at Align Technology
Moscow

Summary

Specialties: Software development, R&D, Managing development team

Experience

Align Technology
6 years 3 months

Senior Software Engineering Manager
July 2021 - Present (9 months)
Moscow, Russian Federation

- Launched project of automated orthodontic treatment setups to wide range of doctors
- Lead distributed team (Moscow + Toronto)
- Lead project of converting monolith desktop app into set of cloud services

Software Engineer Manager
October 2019 - July 2021 (1 year 10 months)
Moscow

- Launched project of automated personalized orthodontic treatment setups
- Established dev+SQA team agile process with respect of medical devices regulatory rules

Senior Software Engineer
January 2016 - October 2019 (3 years 10 months)

- Developed an app to perform orthodontics studies in coordination with University of Pacific.
- Developed algorithms of calculation of orthodontics clinical indices, including PAR, ABO, Little index etc
- Developed algorithms of processing and matching of Cone-Beam Computer Tomography scans
- Developed algorithms for orthodontics treatment planning

Samsung R&D Institute Russia
Expert Engineer

Разработка и исследование робастных алгоритмов реального времени оценивания параметров геометрических преобразований кадров видеопоследовательностей

Patents

KIOSK FOR VIEWING OF DENTAL TREATMENT OUTCOMES

Virtual fillers for virtual models of dental arches

СПОСОБ ОБНАРУЖЕНИЯ ВЫХЛОПНЫХ ПРОДУКТОВ ГАЗОДИНАМИЧЕСКИХ СИСТЕМ В АТМОСФЕРЕ

Augmented reality planning and viewing of dental treatment outcomes

УСТРОЙСТВО ДЛЯ ОБНАРУЖЕНИЯ ВЫХЛОПНЫХ ПРОДУКТОВ ГАЗОДИНАМИЧЕСКИХ СИСТЕМ В АТМОСФЕРЕ

June 2014 - January 2016 (1 year 8 months)

- Designed and implemented algorithms for 3D-reconstruction with smartphone
- Implemented GUI for mobile application for 3D-reconstruction
- Commercialized 3D-reconstruction application as "3D Capture" for Samsung Galaxy Tab S 2 tablet (<https://youtu.be/J46PMztwQac>)
- Patent on 3D-reconstruction is prepared

SPIRIT DSP

3 years 9 months

Project Manager

April 2013 - June 2014 (1 year 3 months)

- Scheduled release management
- Initialized and performed a merging of two projects - mobile and PC engines
- Implemented a SIP-softphone based on media-engine and open-source projects
- Continued to perform duties of team-lead Video Lab

Team-lead

October 2010 - April 2013 (2 years 7 months)

- Lead of video-engine design:
 - Engine architecture documentation
 - Design and implementation of main components of video-engine
 - Modification and optimization of video codecs for various platforms
 - Lead of Android-specific features (video IO, JNI)
 - RFC standards implementation for RTP/STCP stack
 - Original 'TeleTouch' feature design and implementation
- Bugs fixing and engine debugging for Mobile platforms

EC "GEOMIR"

Freelance software engineer

April 2010 - March 2013 (3 years)

- Designed and implemented of 3D structure from 2D images algorithm
- Designed a set of computer vision algorithms
- Created a front-end for set of computer vision algorithms

NPK Favorit

Senior software engineer

April 2010 - October 2010 (7 months)

Development of tracking algorithms for radar of surveillance system.

Torrey Pines Logic, Inc.

5 years 6 months

Senior software engineer

October 2009 - March 2010 (6 months)

- Responsible for coordination of development of surveillance system software.
- Designed architecture of surveillance system software.

Freelance software engineer

October 2004 - September 2009 (5 years)

- Created key components and additional libraries of server part of surveillance system, responsible for communication with peripheral devices and information processing.
- Designed mathematical model and implemented a set of video processing algorithms such as stabilization, tracking, panoramic image creation etc.
- Created client part of system as web-application, responsible for GUI.
- Created a set of peripheral devices' drivers.

OAo MAK "Vympel"

Senior researcher

July 2009 - September 2009 (3 months)

- Designed several logic-event based models of information systems as part of complex model of Anti-Missile Defense System for Department of Defense (including international projects).
- Developed a model of plume brightness by request of European client.
- Prepared and publish 27 articles in science journals and made 18 conference reports.

Education

Moscow Institute of Physics and Technology (State University)
(MIPT)

Doctor of Philosophy (Ph.D.), Computer Science, Computer
Vision · (2005 - 2008)

Moscow Institute of Physics and Technology (State University)
(MIPT)

Master's degree, Information Technologies · (1999 - 2005)