

FEDOR IVACHEV

10.10.1997

rod_iv@outlook.com github.com/FedorIvachev

EDUCATION

- 09/2019-...: Master Degree in Advanced Computing, Tsinghua University, Beijing, China
- 09/2015-06/2019: Bachelor In Applied Mathematics and Computer Science, Lomonosov Moscow State University, Moscow, Russia
- 09/2018-06/2019: Second diploma in Entrepreneurship, Lomonosov Moscow State University, Moscow, Russia
- 07/2017: Practice in Web apps developing, Samsung RC, Ltd., Moscow, Russia
- 08/2012, 07/2013, 07/2014: Student at Summer Programming School, Kostroma, Russia

WORK EXPERIENCE

- 02/2019-08/2019: Software Engineer in Graphics Team, Huawei Technologies Co., Ltd., Moscow, Russia
- 06/2018-08/2018: Intern in 3D-Avatar Team, Samsung RC, Ltd, Moscow, Russia

SKILLS

- Russian level: native, English level: advanced. IELTS Score is 7.5
- Tools, Libraries: Git, OpenCV
- Writing regularly on C++, Python, Swift

PROJECTS

- 2018-2019: **WORDBEAVER** - an iOS app for learning words in different languages. It is written in Swift, the vocabulary was received with Microsoft translate API and is stored in SQLite database. itunes.apple.com/app/wordbeaver-11-words-lessons/id1448026604
- 2018: **CAR DAMAGE ASSESSMENT** - evaluate vehicle damage by photo using neural network. The winner of the competition of best MSU Startups.
- 2017-2018: **TIZENCAST** - a podcast player for TIZEN OS. The app reached top 10 in Tizen Store India and Indonesia, gaining 100k+ downloads during first month after release. github.com/FedorIvachev/tianCast/



COMPETITIONS

- 04/2018: **5th place** at Alibaba's International Algorithm competition, Moscow, Russia
- 04/2017: **Final Stage** of Microsoft Imagine Cup, Moscow, Russia
- 03/2016: **1st place** at Yandex.Money Hackathon, Moscow, Russia
- 03/2015: **1st place** at Level 1 Olympiad of math, Higher School of Economics, Russia
- 02/2015: **2nd place** at Level 1 Olympiad of physics, Moscow, Russia
- 02/2014: **Top 100** at All-Russian Olympiad of programming, Ekaterinburg, Russia

SCHOLARSHIPS

- 06/2018: *IPJSC Ingosstrakh Scholarship for 1 year Program of Lomonosov Business School*
- 06/2019: *Chinese Government Scholarship*



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Samsung R&D Institute Rus

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September 6th, 2018

Recommendation letter for Fedor Ivachev

Dear Sirs,

It's my pleasure to recommend Fedor Ivachev as a good worker. Fedor successfully participated in an internship program at Samsung R&D Institute (SRR) this summer.

During the internship, Fedor worked on the task of calibrating RGB cameras, calibrating the time-of-flight depth sensor. He deeply enough understood classical methods for calibrating pinhole cameras. He implemented a depth sensor calibration method that takes into account only distance distortions, without taking into account object color-based distortions and distortions related to the different distances from optical center on depth frame.

Fedor helped us a lot in the gathering dataset of face movements during speech. He undertook the development of the design of facial markers and motions capturing setup including hardware and face makeup. Fedor also developed an algorithms for detecting different facial markers in a video stream. Within a short period of the internship, about ten possible layouts and designs of markers were tested, around 10 hours of video were captured in different configurations. In this work, Fedor showed himself to be an enterprising and hard-working person and brought many benefits to the project.

During the internship, Fedor got acquainted with the OptiTrack 3D tracking system. He made a demonstration of the possibilities of this system to capture the movements of the human skeleton, a hand, in a short time having understood the software of the system.

In general, Fedor left a good impression of himself, he brought a lot of benefits during 2 months of internship. I wish him every success and professional development.

Project Leader at Bio Recognition Lab,
Biometric AI Team,
Samsung R&D Institute Russia

/ I. Glazistov /



Recommendation letter for Fedor Ivachev

Dear Sirs,

With much pleasure and enthusiasm I am writing to you to support the candidacy of Fedor Ivachev for admission to scholarship.

Fedor is a student in my department of Algorithmic Languages and has been studying at Computer Algebra classes for two years.

During the period of studying, Fedor demonstrated excellent results in studying and proved that he is also a humorous and engaging speaker. Last year, he defended his coursework for maximum score, and then continued the research of inversion algorithms of matrices. He was invited to Computer Algebra Conference and is its regular visitor.

I am thus convinced that Fedor will prove himself to be a valuable contributor to any university, and is more than deserving any financial assistance you can offer.

Sincerely,

Abramov Vladimir Gennadievich,
Candidate of Physical and Mathematical Sciences since 1979
Associate Professor at the Lomonosov Moscow State University, Faculty of Computational Mathematics and Cybernetics, Department of Algorithmic Languages since July 7, 1988
vlabr@cs.msu.ru

12, 12, 2018

A handwritten signature in blue ink, appearing to read "Abramov Vladimir Gennadievich".