

Anton Lykov

antony.lykov@gmail.com | +1-310-614-6924 (US) | +41 22 718 7420 (Europe)

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

B.S COMPUTER SCIENCE

B.S MATHEMATICS

June 2020

Los Angeles, CA

GPA: 3.86 / 4.0

DEAN'S HONORS LIST

NOTE: GOING TO M.S. IN COMPUTER SCIENCE IN SEPTEMBER 2020

COURSEWORK

UNDERGRADUATE

Computer Architecture

Operating Systems

Software Engineering

Algorithms & Data Structures

Probability

Linear Algebra

GRADUATE

Quantum Programming

Computational Complexity

Machine Learning

Data Mining

Real & Complex Analysis

Abstract Algebra

SKILLS

PROGRAMMING

C/C++ • Python

LaTeX • Swift • HTML/CSS

TECHNOLOGIES

Git • Docker • Bash • Unix

LANGUAGES

English Fluent

Russian Native

Italian Conversational

LINKS

Github: [anton5798](#)

LinkedIn: [anton-lykov](#)

Facebook: [Anton Lykov](#)

WORK EXPERIENCE

YANDEX | SOFTWARE ENGINEERING INTERN | C++

Aug 2019 - Sep 2019 | Moscow, Russia

- Worked on backend of transport of push-notifications
- Optimized performance of HTTP-client module
- Developed a configurable app for sending notifications to devices

JET PROPULSION LAB & RISK SCIENCES INST. | SOFTWARE

DEVELOPER | C++/PYTHON

Feb 2018 - Dec 2018 | Los Angeles, CA

- Wrapped C++ frameworks in Python using Cython
- Wrote C++ parsers for Open-PSA MEF Fault Trees and Event Trees
- Used Django & Django REST to build a web app

SBERBANK | SOFTWARE ENGINEERING INTERN | SWIFT

Jul 2017 - Aug 2017 | Moscow, Russia

- Wrote an iOS application using ARKit to render objects in augmented reality
- Integrated QR-code scanning into the augmented reality session
- The only freshman among primarily senior or masters interns

LA MATH CIRCLE | LEAD INSTRUCTOR

Oct 2016 - Current | Los Angeles, CA

- Lead a group of 20+ high school students
- 150+ hours teaching total
- Teach students to solve complex mathematical problems, prepare for olimpiads

RESEARCH

STATISTICAL RELATIONAL AI LAB, UCLA | RESEARCHER

Feb 2019 - Current | Los Angeles, CA

- Proposed a new Weighted Model Counting technique
- Working on representation of probabilistic programming languages
- Studying properties of Bayesian Networks and Arithmetic Circuits

PROJECTS

SPYDER | SOFTWARE ENGINEERING | C++

Jan 2019 - Mar 2019 | Los Angeles, CA

- Built a fast meme-generator supporting reverse-proxy, user authentication etc.
- Used Docker, CMake, GoogleCloud platform, Gerrit code reviews system

DEVX UCLA | SENIOR MOBILE DEVELOPER | SWIFT

Oct 2017 - Sep 2018 | Los Angeles, CA

- Designed an iOS application that shows current level of activity in libraries
- Merged data from check-ins, historical information, location services to better estimate level of activity

AWARDS

1st place: California Capture the Flag

2019

Top 10 of 75 teams: DataFest

2019

National Russian Math Olympiad Finalist

2016/15/14

Intl. Tournament of Towns 1st place

2016