Anton Lykov

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES
B.S Computer Science
B.S Mathematics
Expected June 2020
Los Angeles, CA
GPA: 3.86 / 4.0
Dean's Honors List

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
Python • C/C++
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

RISK SCIENCES INSTITUTE, JPL | Researcher & Software Developer
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
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
- Lecture every week, prepare students for olympiads and other competitions
- Teach students to solve complex mathematical problems

RESEARCH

STAR AI, UCLA Feb 2019 - Current | Los Angeles, CA
- Propose an exact inference algorithm using Weighted Model Counting
- Work on representation of probabilistic programming languages
- Study properties of Bayesian Networks and Arithmetic Circuits

PROJECTS

SPYDER | Software Engineering
Jan 2019 - Current | Los Angeles, CA
- Built a fast C++ web-based meme-generator supporting reverse-proxy, user authentication etc.
- Used Docker, CMake, GoogleCloud platform, Gerrit code reviews system

DEVX UCLA | Senior Mobile Developer
Oct 2017 - Sep 2018 | Los Angeles, CA
- Designed an iOS application that shows current level of activity in libraries
- Used Alamofire for HTTP-requests, GooglePlaces, Floaty
- 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 Absolute Winner	2016