

Kristian Georgiev

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EDUCATION

Massachusetts Institute of Technology (MIT)

Candidate for B.S. in Mathematics and Computer Science (5.0 GPA)

Cambridge, MA

JUN 2021

WORK & RESEARCH EXPERIENCE

QuantCo

Quantitative Research Intern

Berlin, Germany

JUN 2018 - SEP 2018

- Designed, implemented, and tested a variety of machine learning algorithms which resulted in the addition of features in the production model used for claims handling in health insurance (Python, R)
- Devised and investigated a number of hypotheses concerning the production data (SQL)
- Implemented a number of tools to automate the analysis and testing workflow (Python, R (Shiny))

Wilson Lab, Picower Institute of Learning and Memory, MIT

Undergraduate Researcher

Cambridge, MA

FEB 2018 - MAY 2018

- Collaborated with postdoctoral fellows to design and implement an algorithm for high-frequency wireless 3D tracking

Research Science Institute

Scholar (one of the two students chosen to represent Bulgaria at RSI)

Cambridge, MA

JUN 2015 - AUG 2015

- Developed a research paper in abstract algebra in collaboration with graduate students from MIT

PUBLICATIONS

- *On the Size of Unions of Lines in F^n Obeying the Wolff Axiom* at Proceedings of the Forty-sixth Spring Conference of the Union of Bulgarian Mathematicians Borovets (2017)
- *On Tilings with Walkup Structure* at II International Conference "Mathematics Days in Sofia" (2017)

AWARDS

- **Gold medalist** from the *International Olympiad in Linguistics* (IOL), India 2016
- **Finalist** at *Intel ISEF*, Phoenix 2016 & *EUCYS (European Contest for Young Scientists)*, Milan 2015
- **First place** in the *International Mathematics Research Competition of Moscow*, 2015

SIDE PROJECTS & VOLUNTEERING

- **Co-author** of *EasyFill* - a mobile app aimed to aid visually impaired people fill out forms. Developed at PerkinsHacks 2018 and acquired by EyeSyght.
- **Lecturer & Team Leader** at Plovdiv Academy, Bulgaria (2016-2017)
- **Academic Counselor** at Summer Research School for Mathematics and Informatics, Bulgaria (2017)

ON-CAMPUS CLUBS & COMMUNITIES

- MIT Machine Intelligence Community, **Reading Group** Member, **Workshops Head TA**
- Delta Psi (Nationally-affiliated co-ed Literary Society), Member, **IM Soccer Captain**

SKILLS & LANGUAGES

- **Software skills:** Python (scikit-learn, pandas, matplotlib, numpy, TensorFlow, Keras), R (dplyr, shiny), Jupyter, SQL (SQL Server), Git, Github, Linux, LaTeX, HTML, Cinema 4D
- **Languages:** English (full working proficiency), Bulgarian (native), Italian (limited proficiency)
- **Interests:** Applied Discrete Mathematics, Theoretical Computer Science, Machine Learning, Applications of ML in finance and healthcare