

# ALMAS BRALINOV

Mathematician, Entrepreneur and Triathlete

Astana, Kazakhstan

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## EDUCATION

- ❖ **National School of Physics & Math** ..... Jun 2018  
Almaty, Kazakhstan
- Three times honored as the pride of the school.

## RESEARCH EXPERIENCE IN MATH

- ❖ **Ramanujan's Theorem, CA numbers and Riemann Hypothesis** ..... Jul 2021 — Present

Moscow Institute of Physics and Technology

*Oleg Musin, Ph.D. and Dmitry Leschiner, Ph.D.*

- Investigated the posthumously published work of Ramanujan on the formulation of a statement equivalent to the Riemann Hypothesis using Colossally Abundant numbers.
- Performed a “computational attack” on the Riemann Hypothesis and improved the existing results using the theorem formulated by Ramanujan, obtaining the behavior of a function constructed by Ramanujan for the first million colossally abundant numbers with high precision.

- ❖ **Bicrucial cube-free permutations** ..... Oct 2021 — Present

Moscow Institute of Physics and Technology

*Alexandr Valyuzhenich, Ph.D.*

- Discovered the minimal right crucial cube-free permutation, constructed a generalization for composing right crucial  $n$ -free permutations, discovered a bicrucial cube-free permutation.
- Currently working on generalizing the composition of the minimal bicrucial permutations for  $n$ -free permutations.

## LEADERSHIP EXPERIENCE IN MATH

- ❖ **Founder and CEO A+ Education Center** ..... 2018 — Present  
Almaty, Kazakhstan

- When I graduated from high school, I founded a learning center that trained more than 300 children in four years.

- ❖ **Co-Founder and CEO GoBoston.kz** ..... Dec 2018 — Present  
Kazakhstan, USA

- The head of a company organizes non-profit educational trips to the U.S.

- ❖ **Founder and editor of the popular science magazine ScienceWorld.kz** ..... 2019  
Almaty, Kazakhstan

- I created a self-study journal for those children who could not attend additional classes.
- Prepared and donated more than 120 copies of the journal for the entire 7th grade class of Lyceum 165 so that students could prepare for the transfer exams in algebra, geometry, and physics.

- ❖ **Co-Founder and creator of mathematical content at Solve.kz** ..... 2019 — 2021  
Kazakhstan

- I created and published materials on Olympiad mathematics for the free United National Test in Kazakhstan and the Olympiad mathematics preparation platform.

- ❖ **Co-Founder and Business Lead at Mathforces.com** ..... 2020 — Present  
Kazakhstan
  - Organized creating of the world's first online math competition platform, working on the site's backend, planning the development and creation strategy, and testing the Olympiads.
  - After two years of testing the platform, I invested in building a team of programmers, mathematicians, designers, and SMM staff to scale the startup and re-brand it to Integerly.com.

- ❖ **Math Jury and Association Member** ..... 2019 — Present  
Kazakhstan
  - Member of the jury at National and International Olympiads such as the International Zhautykov Olympiad, the Republican Olympiad's regional and final stages, the Asia-Pacific Mathematical Olympiad, and the Silk Road Mathematical Competition.
  - Member of the Association of Mathematicians of the Republic of Kazakhstan, acting since 2021 as a council to promote academically fair and balanced competitions and selections to the national team, as well as to promote the development of the Olympiad movement.

- ❖ **TEACHING EXPERIENCE IN MATH** ..... 2017 — Present  
Kazakhstan
  - I began teaching math classes at age 16, having taught more than 10,000 class hours.
  - Math Olympiad Camp Coach in Bilim Innovation Lyceum, Nazarbaev Intellectual School and National Physics & Mathematics Schools.

## **MATH OLYMPIAD NATIONAL AND INTERNATIONAL COMPETITIONS WINNER**

- ❖ **Second Prize in International Mathematics Competition for University Students** ..... Aug 2022

The competition is organized by University College London and hosted by American University in Bulgaria. The organizers, represented by the President of the Jury, Professor John Jayne, allowed me to participate in the competition, even though I am not a student of any educational institution, but fit the age of the participants.

- ❖ **Bronze medal in International Zhautykov Olympiad** ..... 2017 — 2018  
Almaty, Kazakhstan
- ❖ **2 Merit and 2 Bronze medals in Republic Olympiad Final Stage** ..... 2015 — 2018  
Kazakhstan

## **EVENT ORGANIZATION AND SPORTS AWARDS**

- ❖ **Representative and organizer of the European Mathematical Cup** ..... 2019  
Almaty, Kazakhstan
  - Organized remote participation of more than 100 Olympiads from Kazakhstan on the EMC.
  - Agreed with the provision of the location and organized the work of proctors and jury members.

- ❖ **Organizer of the Digital Future of Energy hackathon** ..... Nov 2022  
Astana, Kazakhstan
  - I was responsible for the selection of participants and negotiated the participation of mentors and speakers at the hackathon with a prize fund of 10 million tenges held by Karachaganak Petroleum Operating and Astana Hub.

- ❖ **Winner of the triathlon competitions** ..... Apr 2022 — Present
  - First Place in the national triathlon competitions on the sprint distance in the age category 18-24. Turkestan, Kazakhstan. April 2022.
  - Second Place in the Ironman 70.3 Vietnam triathlon competitions in the age category 18-24. Qualified for the Ironman 70.3 World Championships, Da Nang, Vietnam. May 2022.
  - Third Place in the Ironman 70.3 Astana triathlon competitions in the 18-24 age category. Astana, Kazakhstan. August 2022.
  - Became the first and youngest competitor in the history of Kazakhstan to be selected and finish the distance of any Ironman World Championships in the age category male 18-24. Utan, USA. October 2022.
  - Earning All World Athlete (AWA) Silver Status.