# Dinmukhammad Bekzhan

bekzhuan@gmail.com | Almaty, KZ

## EDUCATION

**NAZARBAYEV INTELLECTUAL SCHOOL**
of Physics and Mathematics
Grad. May 2018 | Almaty, KZ

**GPA:** 5.0, **SAT:** 1510
**SAT MATH, PHYS:** 800/800

## COURSEWORK

**NIS 12 CERTIFICATE**
A-Level Comparable
A-Level Mathematics
A-Level Computer Science
A-Level Physics

## LINKS

Github:// **dbekzhan**
LinkedIn:// **dbekzhan**

## SKILLS

**TECH**
• IOS/Swift • Python
• Robotics/Arduino • C++
• HTML5/CSS3

**LANGUAGES**
• Fluent Kazakh & Russian
• Work. proficiency English

## WORK EXPERIENCE

### IVY LEAGUE EDUCATION | SAT Subjects Tutor
May 2018 - Present | Almaty, KZ
- Teach seniors to hack SAT Math2 Phys through theory, techniques, strategies.
- Among all 15 students, avg. score rise from 550 to 740 in 1 month.

## ACTIVITIES

### NFACTORIAL | Mobile App Developing Intern
Summer 2016, 2018 | Almaty, KZ
- 100 out of 10,000 applicants chosen. Overall 400-600 h coding experience.
- 2016: "Mentality" App for mental arithmetic; 1st week - 20k views, 5 countries.
- 2018: Lego-like puzzle app. with AR & Object classification. In review.

### TEDX CLUB | Founder
Sep 2014 – May 2018 | Almaty, KZ
- Selected TED presn. facing learning problems: prioritizing, time-management.
- Twice a week, arranged screenings & students' own presn. for 200 students.

### SCHOOL ROBOTICS LAB | Senior Member
Sep 2015 – May 2017 | Almaty, KZ
- In 3 years taught 100-150 students to use Arduino in circuits, code & solder.
- Programmed, calculated currents & assembled circuit for hand prosthesis.
- Negotiated with suppls. to cut prices, saving 1500-2000$ in total.

### STUDENT COUNCIL | Minister of Clubs
Sep 2014 – May 2016 | Almaty, KZ
- Stimulated 20 clubs' creation (formerly 0) by devising efficient est. procedures.
- Streamlined the organization of 50 school events: perform., meetings, charities.

## RESEARCH

### KAZAKH NATIONAL UNIVERSITY | Mathematics Research
Sep 2017 – Present | Almaty, KZ
Devised & coded Monte-Carlo models for supermarket and call-center. Conducted sensitivity analysis on input parameters, suggested optimal values & performance improvements. Publication submitted. (Supervised by Professor, Dr. Kanat Shakenov).

### SCHOOL ROBOTICS LAB | Head Robotics Engineer
Sep 2017 – Dec 2017 | Almaty, KZ
Built an arm prosthesis controlled by human thought, using EEG module & Arduino microprocessor. Employed Fourier Transform algorithms to differentiate alpha- and beta- waves responsible for clenching and unclenching of the fist respectively. Publication submitted.

## AWARDS

| 2018 | 1st place, top 10/186 | XII Int'l Competition "Mathematics and Projecting" |
|------|------------------------|----------------------------------------------------|
| 2018 | 1st place, top 5/230 | National Science Fair, Applied Mathematics |
| 2018 | 1st place, top 3/243 | 44th Nat. Sci. Conf., Small Academy of Sci., Mathematics |
| 2018 | Altyn Belgi, on avg. 4 out of 100 | National Merit for Academic Excellence |