

# MAKENOV ARNUR

✉ [arnur.makenov@gmail.com](mailto:arnur.makenov@gmail.com)

## EDUCATION

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**Kazakh-Turkish Lyceum**

*September 2011 - June 2014*

**Republican Physics Mathematics School**

*September 2014 - June 2016*

**Korea Advanced Institute of Science and Technology**

*September 2016 - Present*

Major in Chemical and Biomolecular Engineering

CGPA: 3.70/4.3

Double major in Computer Science

**Coursework:** Introduction to Numerical Methods, Data Structures, Algorithms,  
Software Engineering, Social Computing

## WORK EXPERIENCE

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**Jury at the Regional Chemistry Olympiad**

*January 2016/2017*

Scored papers and conducted claim session. Got experience working and coordinating with professors in checking papers.

**Undergraduate Researcher**

*December 2017 - March 2018*

Did research at Professor Doh Chang Lee's Lab at KAIST. Analyzed quantum dots primarily ZnSe QDs, and their coating. Achieved results in finding suitable solvents for better centrifugation.

**Research Intern at A-STIN**

*June 2019 - August 2019*

Tested different proportions of octyl and methyl shell structure to encapsulate sunscreen composition. The optimal composition was found

## PROJECTS

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**KAISend (in progress)**

Software Engineering project about on-campus delivery of various goods. I set up Realtime Database using Firebase and implemented some of the core features of the Android app.

## HONORS AND AWARDS

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**International Chemistry Olympiad**

1 Bronze (2015) and 1 Silver (2016) medals

**National Olympiad in Chemistry (Kazakhstan)**

2 Gold (2015, 2016) medals

**International Mendeleev Olympiad**

1 Silver (2016) medal

**International Bekturov Chemistry Olympiad**

1 Gold (2016) medal and Nomination for Best Algorithm

**School**

Best Olympiad Student at RPhMS (2016)

## TECHNICAL SKILLS

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**Prior experience**

Firebase, Java, Python, Aspen Plus, HTML, CSS, JavaScript, Android Studio

## ADDITIONAL INFORMATION

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**Languages:** English (fluent), Russian (native), Kazakh (native), Korean (intermediate), Turkish (intermediate)