

# Shyngys Zhiyenbek

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## EXPERIENCE

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**Yandex, Software Engineering Intern, Moscow, Russia**

June 2016 – September 2016

- Video searching service ([www.yandex.ru/video](http://www.yandex.ru/video)). Along with my supervisor, developed a new formula for relevant documents prediction, which changed the whole structure of the service and decreased number of missing documents by 16 times compared to old formula using C++, Python, Bash, MapReduce, Machine Learning and Yandex's inner services
- Wrote a tool to monitor number of missing documents (urls) using Python, Bash, MapReduce and Yandex's inner services

**Samruk-Energy, Software Development Intern, Astana, Kazakhstan**

December 2015 – January 2016

- Developed user interface for company's website page

## EDUCATION

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**Nazarbayev University, Astana, Kazakhstan**

2013 – 2017

- **School of Science and Technologies:** Senior year Bachelor of Science in Computer Science
- Qualified to semi-final of ACM ICPC (2015)

**Kazakh-Turkish High School for Gifted Boys, Astana, Kazakhstan**

2008 – 2013

- Silver Medal in the National Olympiad in Informatics (2013), which lead to admissions and grants to study in top universities of the country
- First place (2013, 2012), Second place (2011, 2010), Third place (2009) in Regional Olympiad in Informatics
- Bronze Medal in Eurasian Olympiad in Informatics (2010, 2012)

## PROJECTS

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**Senior Project, Nazarbayev University**

- Simulated Red-Blue Wireless Sensor Network model based on paper “Red-Blue Wireless Sensor Network Simulation” (E. Shurkova, 2007), using Java, GUI, Multithreaded Programming

**Directed Study - Capstone project, National Museum and Nazarbayev University**

- Developed a user interface for museum's administrators to make changes on server part of museum's application using Play framework, PostgreSQL, Java, JavaScript, Bootstrap

**Software Engineering course, Nazarbayev University**

- Wrote an app in a team of 5 people for Android to navigate in the University's dormitory (Indoor Map Navigation) using Android Studio, Parse and SQLite. Wrote modified version of Dijkstra's algorithm with binary Heap for finding the shortest path between two user specified points

**Database and Client Server course, Nazarbayev University**

- Lead a team of 2 people and created an app for adding/finding university members using Java, SQL and University database

**Foundations of Mobile and Ubiquitous Computing, Nazarbayev University**

- Developed an app in a team of 3 people for Android to find friends to eat with in university's canteens using Android Studio, Java and MySQL

**Participated in 100+ online and regional programming competitions/contests using C++**

## PROGRAMMING LANGUAGES, FRAMEWORKS & SKILLS

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**Main programming languages:** C++, Python, Java

**Other languages, tools and skills:** C, JavaScript, Bash, Assembly (MARS), Play framework, SQL, HTML, CSS, Bootstrap, Android, Git, SVN, Algorithms, Data Structures, MapReduce, Parallel programming, Machine learning

## LANGUAGES & INTERESTS

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

**Interests:** Online programming competitions, social game “Mafia”, fitness, Disney & Pixar cartoons