

Albert Mukhametov

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PORTFOLIO

My passion lies in tackling obstacles through **active collaboration** within a group of talented and aspiring minds. I thrive in a **fast-paced environment** and driven to continuously grow through **self-education** and **networking**.

EDUCATION

- **University College London (UCL)** London, UK
Bachelor of Science in Computer Science; Grade Expected: 1st 2019 - 2022
- **The International School of Azerbaijan (TISA)** Baku, Azerbaijan
International Baccalaureate Diploma Programme (IBDP); Grade Received: 40/45 (top 3.6%) 2017 - 2019

EXPERIENCE

- **Co-Founder at LodusLabs** London, UK
Data Scraping & Analytics - Start-Up May 2020 - Present
 - **Collaboratively developed** data mining infrastructure to gather current & historic video-game statistics for over **35,000** games and **20,000** game developers through time-triggered web-scrappers using Microsoft Azure Functions
 - Leveraged SQL Server to establish a reliable **back-end structure** for data storage and analysis, deployed on Digital Oceans' Droplet cronjobs
 - Currently in partnership with **Amazon's subsidiary - IGDB**
- **Baku Higher Oil School (University)** Baku, Azerbaijan
Robotics Process Automation - Intern October 2018 - November 2018
 - **Managed** a team of Undergraduate and Postgraduate students in the Process Automation Engineering Department to develop and **successfully pitch** viable automation of a daily task to the Head of the Department
- **Nikoil Bank** Baku, Azerbaijan
Software Development - Intern November 2017 - March 2018
 - **Redesigned** the national (Azerbaijani) credit registry of the Nikoil Bank in a fast-paced team of six developers
 - **Restructured** Java implementation of the monitoring system for the ATM's across the capital city of Baku

TECHNICAL SKILLS

- **Languages & Tools:** Python, C, Java, Haskell, Microsoft Azure, Django, MongoDB, Docker, Microsoft SQL Server, PostgreSQL, Git, Algorithms, Data Structures, HTML5/CSS, Quartus Prime
- **Russian:** (Native or Bilingual Proficiency), **English:** (Native or Bilingual Proficiency)

PROJECTS

- **UCL5 MieMie - NLP & Data Mining Engine 2021** (View Website)
 - Launched scrapers to gather UCL module data and research publications leveraging Scopus API
 - Implemented LDA & GuidedLDA algorithms to annotate over **200,000** scraped data points
 - Tuned, tested and validated model predictions using SVM against traditional string-search methodology
 - Developed back-end, data storage & processing infrastructure on Microsoft Azure leveraging PostgreSQL, Microsoft SQL Server & MongoDB
 - Built visualisation platform using Django framework, allowing users to interact with the data
- **Java Shell (JSH) 2021** (View Code)
 - Refactored Java Shell implementation, leveraging Antlr to create an input parse tree
 - As part of TDD, conducted the following: system acceptance, Jacoco branch coverage, JUnit and JumbleJ mutation tests
 - Developed pipe, sequence, call, input redirection, input substitution, as well as an unsafe version for each application

ACCOMPLISHMENTS

- **Valedictorian** - Scored 1st for two consecutive years in the International Baccalaureate Diploma Programme, 2019
- **Mathematics Higher Level** - scored 7/7 in the IBDP final examination (top 6.79%), 2019
- **Co-founder** - of the TISA Entrepreneurial Club. Co-lead a team of enthusiastic minds to design, build and maintain a solar panel charging dock, 2017 - 2019

HOBBIES AND INTERESTS

- **Competitive Swimmer** - Swimmer for the Komi Republican **Olympic team** in Ukhta, Russia (2008 - 2012). Trained and competed for Baku Sharks amateur team in Baku, Azerbaijan (2012 - 2017)
- **Scuba Diving** - Professional Association of Diving Instructors (PADI) **certified scuba diver** with maximum allowed submersion depth of 12 meters (2019 - Present)