AIBEK KAPPASSOV

Ottawa, ON | +1 613 880 9064 | aibek@adtherapeutics.bio | linkedin.com/in/aibekkapp | github.com/aibek22

EDUCATION

Imperial College London   **London, UK**
MSc Bioinformatics and Theoretical Systems Biology, Merit   **Oct 2022 – Oct 2023**

Purdue University   **IN, USA**
BSc Mathematics and Statistics, GPA: 3.45   **Jun 2019 – Dec 2021**
- Solely obtained the Thomas Arai Scholarship for outstanding performance from the Mathematics Department.
- Featured in the 2020 *Math PUrview* newsletter.
- Included in the Dean's list (Fall 2019 – Fall 2020) and earned Semester Honours (Fall 2020, Fall 2021) for outstanding academic performance

---

WORK EXPERIENCE

Stealth Startup   **London, UK**
Co-founder   **Apr 2024 – Aug 2024**
- Accepted to the Purdue Innovates Incubator program for startups.
- Managed a team of developers to create a structural bioinformatics AI tool.
- Designed and implemented infrastructure for model deployment.
- Conducted customer interviews and pitched VC firms in the US, UK, and Europe.
- Invited by the Kazakh-British Technical University Startup Incubator to speak at a lecture for more than 30 graduate students.

Imperial College London   **London, UK**
Research Intern   **Oct 2023 – Jul 2024**
- Submitted a research paper to the *Scientific Reports.*
- Studied pattern formation in biological systems at Dr. Robert Endres' research group at the Center for Integrative Systems Biology and Bioinformatics (CISBIO).
- Created mathematical models and Python scripts to perform analysis on simulation data.

Private Tutor   **Remote**
                                                                                             Apr 2020 – Aug 2021

Embassy of Kazakhstan   **DC, USA**
Consular Assistant   **Mar 2018 – Jan 2019**
- Liaised with embassy officials and company executives and delivered visa and consular services in English, Kazakh, and Russian.

ADDITIONAL SKILLS

Platforms and Environments: Linux, High-Performance Computing, Google Colaboratory
Scripting Languages: Python (PyTorch, Pandas, NumPy, BioPython), Bash
Protein Design: Structure Prediction (AlphaFold2, ESMFold), Protein Design Software (RFdiffusion, ProteinMPNN), Molecular Visualisation (PyMol).
Languages: English, Russian, Turkish
Interests: Life Science Communication, Decentralized Science, Machine Learning, Entrepreneurship