**Anastasia Ignashkina**
**239-321-3194 | aignashkina7@gmail.com|** My Portfolio

## EDUCATION

**Florida International University** | Miami, FL July 2023
**Degree**: Bachelor of Sciences
**Majors:** Biochemistry, Natural & Applied Sciences
**Minor**: Biology
**Relevant Coursework:** General Chemistry + Lab, Organic Chemistry + Lab, General Biology + Lab, Microbiology + Lab, Genetics + Lab, Cell Biology, Immunology, Biochemistry + Lab, Analytical Chemistry + Lab, Physical Chemistry + Lab
**Academic Achievements**: Dean's List student, National Honor Society member, Academic Excellence student, Ranked in the Top 3% of class
**Certifications:** Immunology Techniques, Microbiology Laboratory Technician, Laboratory Hazard Awareness, Hazard Communication, First Aid for Mental Health
**Additional Diplomas:** Experimental Biotechnology, Drug Development, Human Anatomy & Physiology

## PROFESSIONAL EXPERIENCE

**Academic Tutor** | **Tutor Me Education** | **Miami, FL (Remote)** August 2022 - Present

- Perform individual and group tutoring sessions for students in STEM subjects
- Explain and simplify complex concepts, theories, or problems to enhance students' understanding and facilitate their comprehension of academic material.
- Offer guidance on time management and organizational skills to help students balance their academic workload effective

**Research Scientist Intern** | **Nicklaus Children's Hospital** | **Miami, FL** March 2022 - August 2022

- Designed and conducted scientific research in a specific area of interest relevant to the hospital's focus (e.g., medical imaging, drug development, disease mechanisms).
- Collected, analyzed, and interpreted experimental data using statistical and computational tools.
- Collaborated with multidisciplinary teams, including physicians, clinicians, and other researchers, to foster a collaborative research environment.

**Biological Sciences Peer Leader**| **Florida International University** | **Miami, FL** May 2021 - March 2022

- Facilitated group study sessions to assist fellow students in understanding complex biological concepts.
- Led discussions on advanced biological topics, fostering critical thinking and scientific curiosity.
- Promoted effective study techniques, time management, and exam preparation strategies tailored to biological sciences.

**Lab technologist**| **Herzen University** | **Moscow, Russia** June 2019 - August 2020

- Carried out complex laboratory experiments and assays, utilizing advanced techniques.
- Run data analysis using specialized software or statistical tools to interpret experimental results
- Contributed to the troubleshooting and optimization of experimental procedures, identifying and resolving technical challenges

**CONFERENCES:** Bridging the Gap: Computational Chemistry Techniques Enhancing the Electrochemical Distinction Between Multiple Kinases with a Single Peptide (Boston, USA, 9/16/2023)
(Madrid, Spain, 12/09/2023)

## SKILLS

**Personal:** Problem-solving, Critical thinking, Collaboration, Quick-learning, Multitasking, Adaptability, Communication, Detail-oriented, Creativity, Time management, Organization, Leadership, Strong work ethic, Initiative, Emotional intelligence, Troubleshooting, Resilience, Presentation skills, Curiosity, Patience, Office 365, Statistics, Data analysis, Reports writing, Commercial awareness, Handling emergencies
**Lab technical:** Microscopy, Staining, ELISA, Chromatography, Gel electrophoresis, Spectroscopy, PCR, Miniprep, Protein purification, Enzyme assays, Blotting, Calibration, Quality control, Sample preparation, DNA sequencing, Bioprocess, Isolation, Molecular biology, Aseptic technique, Gene editing, Bacterial culture identification, Bioinformatics, X-ray crystallography, Flow cytometry, Bioelectrochemistry
**Computational chemistry tools:** PyMOL, Avogadro, VMD, Gaussian, Terminal, PyRX, LigPlot, ChEMBL, Drugbank, NetPhos, IBM RXN, SwissADME, MarvinSketch, ChemSpider, Babel, AutoDock Tools - 1.5.7 (PMV, Raccoon, Vision)
**Languages:** English, Russian, Spanish

## DISSERTATION

**Therapy that will be able to cure HIV entirely and will be safe for pregnant women**

- Targeting and eradicating HIV reservoir cells to achieve a complete cure for HIV infection
- Mitigating the risks of birth defects and miscarriage during therapy while ensuring the safety of both the mother and fetus
- Assessing and managing HIV drug resistance profiles and drug interactions to optimize treatment outcomes
- Utilizing computational chemistry tools to explore potential treatments and side effects across all stages and etiologies

## INTERESTS

- **Intellectua**l: Chess, Reading, Writing, Linguistics, Poetry
- **Creative**: Piano, Vocal, Drawing, Sculpting, Engraving, Embroidery
- **Physical**: Synchronized Swimming, Ballet, Rhythmic Gymnastics, Running, Skiing, Tennis, Golf
- **Other activities**: Philanthropy, Volunteering, Outreach programs

**AWARDS & HONORS:** Olympic Games champion among juniors in synchronized swimming (Israel, 2016); Winner of the Advanced Mathematics National Olympiad (Russia, 2015)