

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 10% 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

August 2022 - Present

- Tutoring students in general biology, cell biology, general chemistry, organic chemistry, calculus, differential equations, physics, and test prep
- 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 effectively

Research Scientist | Nicklaus Children's Hospital | Miami, FL

March 2022 - August 2022

- Design and conduct scientific research in a specific area of interest relevant to the hospital's focus (e.g., medical imaging, drug development, disease mechanisms).
- Collect, analyze, and interpret experimental data using statistical and computational tools.
- Collaborate with multidisciplinary teams, including physicians, clinicians, and other researchers, to foster a collaborative research environment.

Biological Sciences Supervisor | Florida International University | Miami, FL

May 2021 - March 2022

- Create course materials, including lecture slides, handouts, and assignments that align with the curriculum and learning objectives.
- Stay updated with current research and discoveries in the field of biology, integrating relevant and cutting-edge information into lectures.
- Incorporate multimedia resources, demonstrations, and interactive activities to enhance student understanding and engagement.

Lab technologist | Herzen University | Moscow, Russia

June 2019 - March 2020

- Conduct complex laboratory experiments and assays, utilizing advanced techniques.
- Perform data analysis using specialized software or statistical tools to interpret experimental results
- Contribute 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 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

PENDING DISSERTATION RESEARCH (Ph.D.)

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

HOBBIES & INTERESTS

• **Intellectual:** 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)