

# Jakub Mussiak

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## PROFILE

- Aspiring High School Science Teacher committed to enhancing students' passion for STEM (Science Technology, Engineering, and Math) and supporting diverse learners in a holistic manner
- Experienced with utilizing language skills (Russian, Polish, and English) to build strong relationships with students and families to support student academic success
- Offers strong teamwork skills and experience collaborating with school staff from all ages and backgrounds

## LICENSURE

*Professional Educator License (PEL), State of Illinois, Secondary Education Biology (Grades 6-12)* 06/2022

## EDUCATION

**University of Illinois-Chicago (UIC)** | Chicago, IL

*Bachelor of Arts in Secondary Education | Biology | Minor: Mathematics* 05/2022

GPA: 3.5/4.0; Dean's List 4/8 semesters

## SKILLS

**Scientific:** Atomic absorption, Fluorescence and UV-visible spectroscopy; Gas Chromatography and HPLC analysis of pollutants, wastewater treatment, and environment

**Computer:** Microsoft Office (Word, PowerPoint, Teams, Outlook, and Excel); Google Suite (Docs, Slides, Forms, Meet, Classroom, and Sheets); Zoom; HyperChem; ChemOffice; and Adobe Photoshop

## TEACHING EXPERIENCE

*Student Teacher – 9<sup>th</sup> and 10<sup>th</sup> Grade Biology, Norridge High School* | Norridge, IL 01/2022 - 05/2022

- Developed innovative lesson plans (virtual and in person) to increase student engagement with course material and strengthen students' understanding of key biological concepts
- Designed biology experiments that align with Science Common Core standards for grade level and created rubrics to assess student learning and growth during each experiment
- Communicated with students' families in Russian and Polish (as appropriate) to answer questions and share pertinent information about how students are progressing in Biology courses
- Established new student club focused on Science Careers to expose students to STEM careers (zoologist, physician, architect, statistician, environmental engineer, etc.) and connect with professionals
- Co-organized virtual Spring Science Fair, including recruitment of students and science fair judges, event promotion and creating judging rubrics for all attendees resulting in 40% increase in student attendance
- Coordinated virtual visits to science-related sites (i.e., recycling center, wastewater treatment center, and botanical gardens) to improve student awareness and understanding of climate change

*Participant, Teach Around the World Program* (various countries) 06/2021 - 08/2021

- Participated in 14 weeks of interactive seminars with experienced teachers in the United Kingdom, Spain, and Denmark to deepen knowledge of effective teaching practices in other countries
- Created and facilitated science lessons (climate change, environmental sustainability, and deforestation) with hands-on demonstrations to inspire curiosity of high school student participants
- Adapted theoretical and practical teaching methods utilized in the education system of the host country to further connect with students and teachers

## ADDITIONAL EXPERIENCE

*Cashier, Mariano's, Elmwood Park, IL* 06/2020 - Present

- Provide excellent customer service through answering questions and directing customers to appropriate sections of the store to enhance customer experience
- Use cash register to process transactions (cash, credit/debit cards, and checks) efficiently and accurately
- Collaborate with other employees to ensure store follows COVID-19 health protocols and clean store on a regular basis to ensure a sanitary environment for all employees and customers (sanitize, sweep, and mop)