Mgr. Václav Dvorský

BIOCHEMISTRY   **12.04.1996**

WORK EXPERIENCE

| 2016| ORGANIC SYNTHESIS OPERATOR |
| BORSODCHEM A.S. – OSTRAVA |

I used to work 12-hour shifts in organic chemistry industry. Goal was to synthesize organic compound, usually with more or less selective hydrogenations. I operated reactor and ensured other works necessary for production, ranging from filter and pump preparation to knowing where every tube in whole block of industry leads. I also helped with rectifications.

EDUCATION

| 2011–2015 | STŘEDNÍ PRŮMYSLOVÁ ŠKOLA CHEMICKÁ AKADEMIKA HEYROVSKÉHO A GYMNÁZIUM – OSTRAVA |

A grammar school focused on nature sciences, especially biology and chemistry. My main subject was pharmacy.

| MASARYK UNIVERSITY |
| 2017–2021 | BIOCHEMISTRY BACHELOR |

Primary focus of the study was surprisingly everything else, but biochemistry. At least first years. We had hard lectures in physical chemistry, maths, physics, biology, inorganics, informatics etc. Later biological disciplines and with them variety of analytical, statistical, computational and physical and/or chemical methods. I had to write thesis in English. It was about phosphorylation of one protein responsible for cytoskeleton formation called MAP2c.

| 2021–2023) | MASTER OF BIOMOLECULAR CHEMISTRY |

I decided to continue in little bit more IT and less biological background. I could not escape (nor I wanted to) NMR, X-ray crystallography and CryoEM. I learned basics of molecular dynamic simulations, about quantum principles in magnetic resonance, about programming in Python, working with Bash etc. I again wrote in English. Thesis was addressing issues occurring in recent molecular dynamic simulations which were analysing free energies of nucleic acids.

In free time I like to read JRRT, traveling, dancing and sharing time with family, friends. As for future, I am considering Ph.D. in organic chemistry and to evolve my marketing, administration and programming skills.

SKILLS

PC
- Python [advanced]
- Java [basics]
- Linux, Bash [common user]
- Windows
- Office
- Bioinformatics

Chemistry
- General
- Physical
- Nuclear
- Inorganic
- Analytical
- Organic
- Biochemistry
- Advanced math and statistics
- **Other sciences**

Other Skills:
-English [B2]

Absolonova 1199/35b

Brno-Komín   624 00

+420 734 114 826

dvorskyvaclav17@gmail.com