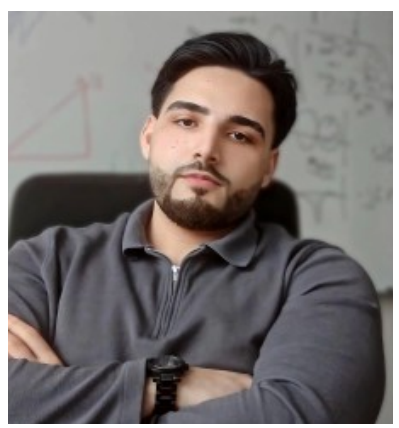




ERIK YEGHYAN

PHD STUDENT IN CHEMOINFORMATICS

ABOUT ME

2nd-year PhD seeking opportunities in data science, ML & chemoinformatics.

LANGUAGES



INTERESTS AND HOBBIES

- Fitness and Wellness
- Psychology
- Science and History
- Competitive video games

CONTACT

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@eyeghyan

Paris/Strasbourg (France)

ADDITIONAL INFORMATION

27 years old

Nationality: French | Armenian

Driver's License (B)

WORK EXPERIENCE

PhD Candidate in Chemoinformatics | Nov. 2024 – NOV. 2027

IFP Energies Nouvelles | University of Strasbourg (FR)

Supervisors: Benoit Creton | Mickaël Matrat | Gilles Marcou

Study of trace species influence on the oxidation stability of Sustainable Aviation Fuels using chemoinformatics

SKILLS: Mixture-QSPR, KNIME, Python, experimental chemistry (RapidOxy), scientific reporting and presentation

MASTER 2 INTERNSHIP IN CHEMOINFORMATICS | FEB. 2024 – JUL. 2024

Laboratory of Chemoinformatics, University of Strasbourg (FR)

Supervisors: Alexandre Varnek | Fanny Bonachera

Development of an automated KNIME workflow to create hundreds of QSAR models for biological targets from ChEMBL database.

SKILLS: KNIME, database management, LIBSVM, Java, Bash, Free Pascal, ChemAxon tools, scientific reporting and presentation

MASTER 1 INTERNSHIP IN CHEMOINFORMATICS | MAR. 2023 – JUN. 2023

Laboratory of Chemoinformatics, University of Strasbourg (FR)

Supervisors: Alexandre Varnek | Fanny Bonachera

Analysis of the uniqueness of ChEMBL "Freedom" using GTM (article under review)

SKILLS: Big data, Generative Topographic Mapping (GTM) analysis, ChemAxon tools, database management, scripting, Python

RESEARCH INTERNSHIP IN CHEMOINFORMATICS | MAY 2022

Laboratory of Chemoinformatics, University of Strasbourg (FR)

Supervisors: Alexandre Varnek | Gilles Marcou

Production of QSPR models predicting skin sensitization.

SKILLS: InstantJChem, KNIME, Weka, database management, scientific reporting and presentation

ATTENDED CONFERENCES

10th Strasbourg Summer School in Chemoinformatics

22-26 June 2026 | Strasbourg (FR)

12th Meeting of the French Chemoinformatics Society (SFCI)

10-11 December 2025 | Paris (FR)

9th Strasbourg Summer School in Chemoinformatics

21-28 June 2024 | Strasbourg (FR)

4th French-Israeli Workshop on Cheminformatics

14-16 February 2024 | Strasbourg (FR)

SKILLS

HARD SKILLS

Workflow Design & Automation | Machine Learning
Experimental Design, Sample Preparation & Testing

QSPR Modeling | Molecular & Mixture Descriptors
Model Development & Validation | Feature Engineering |
Hyperparameter Optimization | Applicability Domain

Database Management | Data Mining & Web Scraping
Data Curation, Preprocessing, Analysis & Visualization

KNIME | Python | Java | SQL | Linux
RDKit | Pandas | NumPy | scikit-learn | Plotly

SOFT SKILLS

Resourcefulness | Autonomy | Adaptability
Flexibility | Pedagogy | Leadership | Competitiveness
Task Prioritization | Confidence | Stress Management

EDUCATION

Master 2 Chemoinformatics | 2023-2024

Faculty of Chemistry, University of Strasbourg (FR)

KEY COURSEWORK: Knowledge in Chemoinformatics, Molecular Modelling, In Silico Drug Design, Machine Learning, Internet Technologies, Drug Discovery and Structural Biology

Master 1 CPIAM/Chemoinformatics | 2022-2023

Faculty of Chemistry, University of Strasbourg (FR)

KEY COURSEWORK: Knowledge in Physical Chemistry, Computer Science (Linux, Python and Java), Data Science, Chemical Databases, Chemoinformatics, and Modelling

Bachelor's degree in Chemistry | 2019-2022

Faculty of Chemistry, University of Strasbourg (FR)

KEY COURSEWORK: Knowledge in Organic, Inorganic, Physical and Experimental Chemistry, Physics, Mathematics and English