

Rz. Yusup

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Profile

Uyghur scientist with nearly 10 years of experience in molecular biology, including a Master's degree, two years of PhD studies, internship, and workshops. Transitioning to software development, data, and AI-related careers, with a passion for leveraging computational skills in data analysis, machine learning, deep learning, and full-stack application development. Proficient in R and Python for exploratory analysis, data interpretation, and model development. Six years of coding experience (R: 1 year, Java: 1 year, Python: primary). Built and deployed **Typorax**, a full-stack Dutch language learning app using Flask. Skilled in **Git**, **HTML5/CSS3/JS/Jinja**. Use AI tools to assist in code writing, ensuring accuracy through personal review and organization. Self-taught via platforms like Udemy and Coursera.

Skills

Programming Languages: Python (6 years), R (1 year), Java (1 year), JavaScript

Data Science & AI: ML, DL, EDA, Statistical Modeling, TensorFlow, scikit-learn

Python Libraries: Pandas, NumPy, SQLAlchemy, Matplotlib, Seaborn, etc.

Frameworks: Flask (Blueprint)

Web Technologies: HTML5, CSS3, Jinja

Tools: Git, GitHub, Google Colab, VS Code (AI Toolkit), LaTeX

Databases: PostgreSQL, MySQL

Platforms: Render, Google Cloud, AWS, Heroku

Languages

Spoken Languages: Uyghur (Native), Chinese (Fluent), English (Fluent), Dutch (A2)

Work Experience

- Freelancer** **Netherlands** • Jan 2024 - Present
Built web apps and bioinformatics tools for language learning and genetic analysis, involving data handling, analysis, and AI integration.
- PhD Candidate** **IMol, Poland** • Jul 2021 - Oct 2023
Researched RNA stability using wet lab and computational methods, including data analysis with Python and R for machine learning and exploratory data interpretation.
- Training Program (Remote)** **Selenium Master LLC, USA** • Jul 2020 - Jun 2021
Trained in Java/Selenium/Jenkins; self-studied ML with TensorFlow/NumPy, applying to data analysis tasks.
- Internship** **Hebrew University, Israel** • Oct 2019 - Jul 2020
Analyzed research data with R, performing exploratory analysis, data interpretation, and statistical modeling.

Volunteer Experience

- Volunteer Educator** **Netherlands** • 2024 - 2025
Taught cultural heritage and Chinese language workshops at Maria Goretti School and Connect College.

Education

- MSc Molecular Diagnostics** **UNICAM, Italy** • Oct 2019
- BSc Biotechnology** **Xinjiang University, China** • Jun 2013

Publication

NAD Metabolism in Yeast: Olive Oil Phenols

Vincenzetti, S, Rozimemet, Y, et al.

Preprints, 2024

[DOI](#)