Tamara Ezveđ

Bioinformatics Student | Python & Java Developer

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EDUCATION

University of Primorska — Koper, Slovenia

Bachelor of Science in Bioinformatics Sept 2025 – Present (Expected 2028)

- GPA: 8.5 / 10.0
- Key Coursework: Algorithm Design, Data Structures, Programming (Java, Python), Computer Practicum (C, Linux/Bash), Mathematical Analysis, Theoretical Computer Science.

TECHNICAL SKILLS

- **Programming:** Programming: Python (NumPy, Pandas, SciPy, BioPython), Java, C, Bash/Shell Scripting.
- **Research & Data Science:** Research & Data Science: Statistical Hypothesis Testing, Data Imputation, Web Scraping (BeautifulSoup), Feature Scaling.
- **Tools:** Tools: Git (Version Control), Linux CLI, LaTeX (Scientific Documentation), Markdown.

SELECTED RESEARCH & ENGINEERING PROJECTS

Protein Structure Visualizer | *Python, BioPython*

- **Scientific Advancement:** Engineered a tool to parse PDB (Protein Data Bank) files and extract 3D atomic coordinates.
- Calculated residue-level biophysical properties (Molecular Weight, GRAVY score) to assist in structural biology analysis.
- Demonstrated ability to handle complex, large-scale biological datasets.

Clinical Data Analysis: Pima Indians Diabetes | *Python, SciPy, Pandas*

- **Data Integrity:** Implemented statistical preprocessing to handle physiological outliers and "impossible zeros" in a clinical dataset.
- Applied feature scaling and correlation analysis to identify key predictive markers for diabetes, mirroring real-world research workflows.

Automated Market Trend Analysis | *Python, BeautifulSoup*

- **Software Engineering:** Developed a robust web-scraping pipeline for Mojcimer.si to track regional rental volatility.
- Automated the extraction and cleaning of unstructured web data into actionable CSV datasets for longitudinal study.

Lightkeepers Logic Engine | *Java, OOP*

- Designed and implemented a grid-based logic puzzle using Object-Oriented Design Patterns.
- Focused on algorithmic efficiency for state-management and coordinate-based propagation.

LANGUAGES

• English (Fluent) • Serbian (Native) • Slovenian (Fluent) • Hungarian (Native) • German (Proficient — B1)