

Emilja Beneja

Toronto, Canada | (416)897-3409 | emiljabeneja11@gmail.com | emilja.beneja@georgebrown.ca | <https://github.com/EmiljaB>

OBJECTIVE STATEMENT

Seeking a Data Science, Machine Learning or AI engineering Intern position to apply technical expertise in Python, SQL, and data visualization techniques to build innovative solutions and contribute to process optimization and decision-making. As a recent Computer Engineering graduate and Applied AI student I have hands-on experience in machine learning and data analytics.

HIGHLIGHTS AND QUALIFICATIONS

- Demonstrated expertise in data analytics, visualisations, machine learning and deep learning.
- Well-versed in image processing techniques, demonstrated in my graduation thesis and projects.
- Strong team management, teamwork and reporting skills, proven throughout my academic years.
- Ability to analyse and organize raw data using relevant analysis methods and visualization techniques.
- Innovative and creative problem solver, incorporating new ideas in diverse areas.
- Skilled in recognising patterns in data and workflows, bringing meaningful conclusions for various types of data.

HARD SKILLS AND SOFTWARES

- | | | | |
|--------------------|--------------------|------------------------|-------------------|
| - Python | - Deep Learning | - MySQL | - Azure |
| - Java | - NLP | - Tableau | - Data Analytics |
| - SQL | - Image Processing | - SSMS/SSIS/SSAS | - Database design |
| - Machine Learning | - PowerBi | - Software Development | - Data modeling |

SOFT SKILLS

- | | |
|------------------------------|------------------------------------|
| - Effective Communication | - Effective Time Management |
| - Teamwork and Collaboration | - Attention to detail |
| - Team Management | - Eager to Learn |
| - Problem-solving | - Creative and Analytical Thinking |

EDUCATION

- **Applied AI Solutions Development**
George Brown College – Toronto, ON September 2024 – Present
- **Bachelor of Computer Engineering, Graduated with Honors**
Epoka University – Tirana, Albania October 2021 – July 2024
Thesis: “Detection of Brain Diseases from MRI and CT scans using Machine Learning Algorithms.”

WORK EXPERIENCE

Balfin Group

IT Support Specialist

September 2023 – December 2023

Tirana, Albania (In person, Internship)

- Created and maintained database environments in Dynamics NAV.
- Assisted clients with technical issues in their environments, including data retrieval, data manipulation, table creation, table manipulation, etc., using MySQL and Dynamics NAV.
- Contributed to performance improvement and client training for using Dynamics NAV software.

alphaPlan

Teaching Assistant

July 2023 – June 2024

Tirana, Albania (In person, Part-time)

- Taught Python to high school students along with other teaching assistants.
- Developed and delivered lecture content, assignments and in-class activities.
- Inspired teamwork and assigned roles in the teaching team.

MAIN PROJECTS (<https://github.com/EmiljaB>)

Detection of Brain Diseases from MRI and CT scans using Machine Learning Algorithms

- Conducted research on applications of AI in Neuroscience.
- Applied Feature Extraction techniques.
- Applied various Machine Learning algorithms with different parameters to obtain the best experimental results achieving over 90% accuracy.
- Applied various Deep Learning algorithms with different Neural Network Architectures.
- Analyzed and formulated results implying further applications.

Tumor Classification with RNA-Seq Dataset

- Conducted Research on applications of AI in Bioinformatics and potential datasets.
- Applied various Dimensionality Reduction and Visualization techniques.
- Applied various Machine Learning Algorithms to determine the best performance, achieving almost perfect accuracy.

AI-Powered Depression Assessment web form

- Conducted domain research to better understand stress and depression factors.
- Analyzed, preprocessed and visualized the dataset.
- Experimented with various techniques to implement an AI solution.
- Trained a TabNet model to identify depression risks among individuals and assisted in training other models such as LSTM, CNN, etc.
- Visualized results using classification reports, achieving 94% accuracy.
- Assisted in the AI model integration on a web form, which pre-diagnoses depression.

VOLUNTEER EXPERIENCE

ICT Bootcamp Teaching Assistant, Code for Albania

Tirana, Albania – Korce, Albania

July 2023

- Mentoring high school students in learning React Native and UX design.
- Organized in and outside class activities for students and other team members.
- Collaborated with professors in developing and delivering the curriculum content.

Red Cross Volunteer

Tirana, Albania

September 2018 – June 2020

- Coordinated the collection and distribution of second-hand clothes and food for orphanages, ensuring timely support for children in need.
- Engaged with elderly individuals and children with mental disabilities at specialized facilities, fostering a sense of community and companionship.
- Prepared and served nutritious meals at day facilities for senior citizens, contributing to their well-being and comfort.
- Developed strong organizational and interpersonal skills through hands-on involvement in humanitarian activities.

LANGUAGES

- English
- Italian (*working knowledge*)
- Albanian (*native language*)