

Milena Petrovic

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Education

Bachelor of Science in Computer Science

May 2025

University of Florida, Gainesville FL

Certificate: Artificial Intelligence Fundamentals

GPA: 3.89/4.0

Relevant Coursework

- Data Structures and Algorithms
- Operating Systems
- Intro to Software Engineering + Software Engineering Enterprises

Projects

- Automated the organization of files and folders in my operating system's file manager.
- Contributed to an open-source project which searches through a large database of stocks by date and Id.
- Developed a compiler in Java, which enabled a deeper understanding of the language's syntax and operation.
- Deployed the frontend of a website that facilitates subleasing agreements between Gainesville residents.
- Explored design techniques using Pygame to create an animated flower of life built with geometric algorithms.

Work Experience

Undergraduate Research Assistant – University of Florida

January 2024 - Present

Modeling connections between the human brain and spatial navigation behavior

- Conducting an exploratory analysis of behavioral datasets to identify patterns and trends.
- Implementing PyTorch-based machine learning models into existing cognitive neuroscience frameworks and statistically interpreting results.

Tennis Instructor - Tennis Dynamics, Naples FL

February 2020 - August 2021

- Assessed tennis ability, planned, and taught dynamic classes based on skill, and emphasized strategy for match preparation.

Skills

- Proficient in C++, Java, Python, JavaScript, TypeScript, and HTML
- Familiar with Go, SQL, Amazon AWS, and REST APIs
- Fluent in Serbian, conversational in Spanish

Involvement

Kappa Delta National Service Sorority, Gainesville FL

August 2021 - Present

Member/ Recruiter

Recruitment Computer Chair Assistant

- Managed input and information statuses and familiarized myself with the Panhellenic Computer Program.
- Raised money for the following philanthropies: Prevent Child Abuse America and the Child Advocacy Center.

Women in Computer Science and Engineering

December 2021 - Present

Member

- Practiced user interface skills in workshops.

Awards

Dean's List

Fall 2021, Fall 2022, Spring 2023, Fall 2023

Florida Academic Scholar – Bright Futures Scholarship

Fall 2021 - Present

Regional Award for Aspirations in Computing

Spring 2020, Spring 2021