

Ibrahim Miloua

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EDUCATION

UNIVERSITY OF PITTSBURGH

Bachelor of Science in Computer Science
Major Cumulative GPA: 3.3/4.0

Pittsburgh, PA
Expected May 2026

RELEVANT COURSEWORK

- Data Analysis, OOP, Software Engineering, Operating Systems, Data Structures & Algorithms, Artificial Intelligence, Discrete Mathematics, Computer Networks, Web Development, Artificial Intelligence, Machine Learning, Human-Computer Interaction

UNIVERSITY PROJECTS

SIDEWALK WALKABILITY DATA SCIENCE PROJECT

Nov 2022

- Applied innovative technologies, including Matplotlib, Pandas, and NumPy, to analyze data on sidewalk walkability, police incidents, and primary care facility locations, shaping a comprehensive metric for identifying the safest neighborhood in the Pittsburgh region for families.

AI HANDTRACKER

June 2023

- Designed Innovative user interaction and efficiency by pioneering a Python-based Computer Vision project, seamlessly tracking hand movements for automated computer tasks, and redefining human-computer interaction → Built using mediapipe and OpenCV.

AGE CALCULATOR APP

Oct 2023

- Developed a user-friendly Age Calculator web application using HTML, CSS, and JavaScript. The app provides a seamless experience for calculating age based on the inputted date of birth.

GYM BUSYNESS APP

Jan 2024

- In collaboration with a group of 3 other people. I built a web app that uses Node & Express.js for the backend and react for the front end. This app collects data from users and alerts future gym goers of the busyness of local university owned gyms. This was a passion project as my friends and I are avid gym lovers.

PERSONAL PORTFOLIO APP

Jan 2023

- In collaboration with a group of 3 other people. I built a web app that uses Node, express and react for the front and back end. This app collects data from users and alerts future gym goers of the busyness of local university owned gyms. This was a passion project as my friends and I are avid gym lovers.

EXPERIENCE

UNDERGRADUATE TEACHING ASSISTANT

Teaching Assistant

Pittsburgh, PA
Aug 2022 – Present

- Was an UTA for CS 401, 007, etc....

TECHNICAL SKILLS

Coding language & Frameworks: Advanced in Java, Python [Matplotlib, Pandas, NumPy, and Jupyter Notebook], C, C++, SQL, React, Javascript [Node.js, jQuery, Express.js, EQL], HTML/CSS; Proficient in MATLAB, Excel.

Speaking languages: Fluent in English, Arabic, and French.

Certifications & Training: Online Course in Management (Coursera), WebDev course(Udemy).