

Ibrahim Miloua

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EDUCATION

UNIVERSITY OF PITTSBURGH

Bachelor of Science
Major in Computer Science
Minor in Math/Statistics
Cumulative GPA: 3.1/4.0

Pittsburgh, PA
Expected April 2026

RELEVANT COURSEWORK

- Data Analysis, Software Engineering, Operating Systems, Data Structures & Algorithms, Artificial Intelligence, Computer Networks, Web Development.
- Discrete Mathematics, Linear Algebra, Calculus 1, Calculus 2, Statistics.

PROJECTS

DATA SCIENCE PROJECT

November 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 + GESTURE CONTROL

June 2023

- This project was built using Python and with a webcam tracked my hand and by coordinates of which hand (gestures) was detected it would do actions such as shutting down a window or pausing/unpausing videos. Built using mediapipe, OpenCV and other python libraries.

GYM BUSYNESS APP

Jan 2024

- In collaboration with a team of group mates, we built a web app, native to smartphones and PCs that uses Node, express and react for the frontend and MongoDB for backend along with our own authentication system. This app collects data from users and alerts future gym goers of the busyness of local university owned gyms. This project meant a lot to us because this was a project that solved real life problems such as not knowing what times were least busy and if a friend was currently there.

PERSONAL PORTFOLIO APP

Jan 2023

- Developed a personalized portfolio app to showcase professional skills, projects, and experiences. Features customizable sections, interactive project displays, responsive design, and built-in analytics for performance tracking. Streamlined contact form integration and seamless social media sharing capabilities enhance networking opportunities and promote professional visibility.

ACTIVITIES

COMPUTER SCIENCE CLUB

Committee Member

Pittsburgh, PA
Jan 2017 – Present

- At my University, I Managed & attended meetings at the club which help talks from professionals in the field and past students that give current students mentorship and ideas of how to land jobs and lead a successful career.

ADDITIONAL

Technical Skills: React (Node, Express, Next.js, EQL), Java, Python (Matplotlib, Pandas, NumPy, and Jupyter Notebook), C, HTML/CSS, Excel.

Languages: English, Arabic, and French.

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