

Jonathan Wong

jonathanww89@gmail.com | (718) 775-8691 | Boston, MA
Availability: July – December 2025

EDUCATION

Northeastern University

Candidate for Bachelor of Science in Data Science; Khoury College of Computer Sciences

Courses: Large-Scale Information Storage and Retrieval | Database Design | Algorithms and Data | Data Presentation and Visualization | Advanced Programming with Data | Probability and Statistics

Boston, MA

Expected May 2027

GPA: 3.78/4.0

Millburn High School

Activities: Senior Citizen Support Club (Vice President) | Studio462 Club (Filmer & Photographer)

Millburn, NJ

Sep. 2019 – Jun. 2023

GPA: 3.9/4.0

SKILLS

Softwares/Libraries: Scikit-learn, Pandas, NumPy, BeautifulSoup, Docker, MySQL, Flask, DataGrip, Git, GitHub, Windows

Languages: Python, SQL, C++

PROJECTS

Calorie Predictor Dashboard | *Python, Pandas, Panel, SHAP, Matplotlib, Joblib, XGBRegressor*

Dec. 2024 – Jan. 2025

- Built a machine learning dashboard using XGBoost, achieving a mean absolute error of 1.48 kcal, to predict calorie expenditure based on 7 user inputs.
- Developed a dynamic user interface supporting real-time input adjustments and enabling users to test scenario-based predictions and visualizations.
- Integrated 2 SHAP plots: a force plot to explain individual predictions and a summary plot to showcase overall feature importance, enhancing user understanding.
- Designed a historical data table to log inputs and predictions, allowing scenario comparison and tracking of progress over time.

SkillSeeker (Full-Stack Web Application) | *Python, Flask, Streamlit, SQL, Docker, Github*

Oct. 2024 – Dec. 2024

- Developed 20+ API routes and 4 Streamlit pages tailored to distinct user types, enabling role-specific functionality and efficient data management.
- Designed and implemented 12+ visualizations using interactive charts and tables, improving usability and operational efficiency.
- Created persona-specific features for add, post, update, and delete operations across 4 personas, ensuring seamless CRUD interactions for diverse user needs.
- Collaborated on SQL database design and containerized the application using Docker, enabling consistent deployment across environments.

EXPERIENCE

Short Hills Club | *Staff Member*

Short Hills, NJ

May 2024 – Aug. 2024

- Processed 40+ orders and served members at the snack bar, delivering prompt and courteous service.
- Trained new staff on snack bar operations, fostering a cohesive and efficient team.
- Supported swimming events with 50+ attendees, collaborating with 6+ staff to maintain cleanliness, replenish buffet items, and handle member or supervisor requests.

Taylor Park Camp | *Camp Counselor*

Millburn, NJ

Jun. 2023 – Aug. 2023

- Supervised and ensured the safety of 30+ campers with two other counselors, fostering a supportive environment.
- Organized and led sports activities, including basketball, soccer, and kickball, promoting teamwork and physical fitness.
- Directed activity sessions every other day by selecting sports, forming teams, and managing games with support from fellow counselors.

Interests: Fitness, Guitar, Piano, Pickleball, New York Knicks