Jonathan Wong

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Availability: July – December 2025

EDUCATION

| **Northeastern University -** *Candidate for a BS in Data Science; Khoury College of Computer Sciences*  *Courses:* Large-Scale Information Storage and Retrieval | Database Design | Algorithms and Data | Information Presentation and Visualization | Advanced/Intermediate Programming with Data | Probability and Statistics | **Boston, MA**  *Expected May 2027*  *GPA: 3.78/4.0* |
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| **Millburn High School** – *High School Diploma*  *Activities:* Senior Citizen Support Club (Vice President) | Studio462 Club (filmer & photographer) | **Millburn, NJ**  *Sept. 2019 – June 2023* |

SKILLS

| **Softwares/Libraries:** Scikit-learn,Pandas, NumPy, BeautifulSoup, Docker, MySQL, DataGrip, Linux, Git, GitHub  **Languages:**  Python, SQL, C++ |
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PROJECTS

| **SkillSeeker** | *Python, Flask, Streamlit, SQL, Docker, Github*   * Developed API routes and interactive Streamlit pages to enable role-specific functionality and efficient data management. * Designed and implemented data visualizations using charts and tables, enhancing usability and operational efficiency. * Created persona-specific features for add, post, update, and delete operations, ensuring seamless user interactions. * Collaborated on SQL database design and containerized the application using Docker for consistent deployment. | *Oct. 2024 – Dec. 2024* |
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| **Calorie Predictor Dashboard** |*Python, Pandas, Panel, SHAP, Matplotlib, Joblib, XGBRegressor, VS Code*   * Built a machine learning dashboard using XGBoost to predict calorie expenditure based on user inputs. * Implemented a dynamic user interface with real-time input adjustments and interactive visualizations for scenario-based experimentation. * Integrated SHAP feature impact plots and sensitivity analysis charts to provide actionable insights and enhance user understanding. * Designed a historical data table to log inputs and predictions, enabling scenario comparison and progress tracking. | *Dec. 2024* |
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Experience

| **Short Hills Club** | *Staff Member*   * Took 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. * Assisted in lunch and dinner services, ensuring cleanliness and organization while bussing tables and taking drink orders. * Supported swimming events with 50+ attendees, collaborating with 6+ staff to maintain cleanliness, replenish buffet items, and handle member or supervisor requests. | ***Short Hills, NJ***  *May. 2024 – Aug. 2024* |
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| **Taylor Park Camp |** *Camp Counselor*   * Supervised and ensured the safety of 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. | ***Millburn, NJ***  *Jun. 2023 – Aug. 2023* |
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| *Interests: Fitness, Guitar, Piano, Pickleball, Watching the Knicks,* |  |
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