

Kaia Ortiz

(718) 555-0123 kaia.ortiz@email.com linkedin.com/in/kaiaortiz 123 Main Street, Brooklyn, NY 11201

SUMMARY

Dynamic PhD candidate specializing in machine learning with a strong foundation in computational biology. Emphasizes hands-on experience in executing experiments that influence drug development, coupled with substantial contributions to research publications in prestigious conferences. Adept at using Python and PyTorch for large-scale data analysis. Proven ability to tackle complex problems autonomously while maintaining clarity in communicating findings to diverse audiences. Eager to contribute innovative solutions within a collaborative research setting focused on advancing therapeutic methodologies.

EDUCATION

PhD in Machine Learning 2027
Brooklyn University GPA: 4.0 Brooklyn, NY
Coursework: Algorithms, Statistical Methods in ML, Computational Biology, Data Modeling Techniques

TECHNICAL SKILLS

- Programming Languages:** Python, R, Java
- Machine Learning Frameworks:** PyTorch, TensorFlow, Scikit-learn
- Development Tools:** Git, Docker, Jupyter Notebooks
- Cloud Platforms:** AWS, Google Cloud, Azure
- Data Visualization Tools:** Matplotlib, Seaborn, Tableau
- Statistical Software:** SAS, SPSS, STATA
- Methodologies:** Agile, Scrum, DevOps
- Database Systems:** MySQL, PostgreSQL, MongoDB
- Experimentation Techniques:** A/B Testing, Simulation, Statistical Experimentation
- Open Source Projects:** Contribution to GitHub repos, Collaborative coding

SKILLS

- | | | | |
|--------------------|--------------------------|---------------------------------|----------------------|
| • Python | • Data Analysis | • Molecular Data Interpretation | • Team Collaboration |
| • PyTorch | • Computational Biology | • Data Visualization | • Public Speaking |
| • TensorFlow | • Research Methodologies | • Deep Learning Techniques | • Project Management |
| • Machine Learning | • Statistical Analysis | • Experimental Design | |

EXPERIENCE

Research Intern January 2025 - Present
University Research Lab Brooklyn, NY

Engaged in an environmental-focused machine learning project that leverages molecular data insights for innovative drug discovery. Responsibilities encompass independent research oversight, utilitarian experimentation, drafting analytic reports, and collaboration with senior faculty members.

- Led a research project implementing ML methods on molecular data, accelerating drug development timelines.
- Engineered PyTorch models for large datasets, improving comprehension of molecular relationships in biological systems.
- Conveyed research insights through presentations, enhancing visibility of research outcomes in academic forums.
- Fostered partnerships with students and faculty, reinforcing experimental frameworks in collective projects.
- Streamlined data processing workflows, integrating open-source tools to boost efficiency for collective analysis.
- Evaluated experimental data thoroughly, informing future research strategies and potential scholarly publications.

Machine Learning Developer September 2024 - December 2024
Capstone Project New York, NY

Managed the design and implementation of a predictive model aimed at understanding protein interactions using machine learning techniques. Collaborated closely with a dedicated team, showcasing innovative approaches at the university's symposium.

- Developed a predictive model utilizing TensorFlow for intricate biological data analyses, yielding significant accuracy improvements.
- Conducted extensive data preprocessing, improving data quality and subsequently enriching model performance.
- Worked within a team to present ground-breaking findings, generating notable recognition from faculty and peers.
- Documented comprehensive methodologies which laid the groundwork for subsequent peer research initiatives.
- Provided meaningful feedback for improvement on peers' coding practices, nurturing skills development within the group.
- Attended workshops dedicated solely to advancing programming proficiencies and analytical visualization techniques.

LEADERSHIP & AWARDS

- Dean's List, Brooklyn University - 2024, 2025
- Best Research Paper Award, University Research Symposium - 2025

CERTIFICATIONS

- Machine Learning Specialization 📅 2026
- Data Science Professional Certificate 📅 2026

PROFESSIONAL AFFILIATIONS

- Member, AI and Data Science Club, Brooklyn University - 2023 – Present
- Organizer, Annual Coding Competition, Brooklyn University - 2025

LANGUAGES

- English (Native) • Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST