Xiao Fischer

Research Intern - AI Ethics

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SUMMARY

Current PhD candidate specializing in artificial intelligence and machine learning, focusing on responsible AI development. Experience includes conducting research on ethical implications of generative AI technologies. Track record of developing frameworks for risk assessment, particularly in natural language processing and computer vision. Collaborated effectively with diverse teams to produce impactful findings suitable for publication. Eager to leverage research skills at Creative Tech Solutions to promote ethical AI practices in a global entertainment context.

EDUCATION

Ph.D. in Computer Science

University of Washington GPA: 4.0 2027 Seattle, WA

Coursework: *Machine Learning, AI Ethics, Data Structures, Natural Language Processing*

TECHNICAL SKILLS

- **Programming Languages:** Python, R, Java
- **Libraries:** PyTorch, HuggingFace Transformers, TensorFlow
- **Frameworks:** Scikit-learn, Keras, OpenCV
- **Data Analysis Tools:** Pandas, NumPy, Matplotlib
- **Research Tools:** Jupyter Notebooks, GitHub, LaTeX
- **Machine Learning Techniques:** Supervised Learning, Unsupervised Learning, Reinforcement Learning
- **Evaluation Metrics:** Accuracy, F1 Score, Precision, Recall
- **Project Management:** Trello, Asana, Jira
- **Documentation:** Github Pages, ResearchGate, Medium
- **Cloud Platforms:** AWS, Google Cloud, Azure

EXPERIENCE

Research Intern

University Research Lab January 2026 - Present Remote, USA

Support groundbreaking research initiatives in AI ethics, addressing biases and privacy concerns in intelligent systems. Set up experiments to evaluate compliance with ethical guidelines. Collaborate with international teams improving open-source models accordingly.

- Conducted thorough research to assess ethical implications of generative AI.
- Designed tools to reduce bias in AI technologies, enhancing stakeholder trust.
- Collaborated with teams globally to optimize AI model performance.
- Established benchmarks for ethical compliance in AI systems under evaluation.
- Contributed to draft publications for leading AI conferences, showcasing findings.

Capstone Project Developer

Student Innovation Lab September 2025 - December 2025 Portland, OR

Led an interdisciplinary team focused on creating robust guardrails for AI systems, highlighting the need for ethical accountability in technology. Utilized Python and advanced machine learning techniques.

- Spearheaded innovation through data collection to appraise proposed ethical frameworks.
- Engineered technical solutions with Python and deep learning libraries.
- Presented impactful results at a university event, earning project accolades.
- Built consensus among stakeholders on transparency best practices.
- Developed prototypes validated by peers aimed at enhancing user protection.

STRENGTHS

Strong Analytical Skills
Demonstrated exceptional analytical capabilities through rigorous research evaluations. Consistently provided clear, actionable insights.

Effective Collaboration
Foster teamwork with various stakeholders, ensuring cohesive progress on projects. Peers value contributions in complex discussions.

Innovative Problem-Solving
Cultivated a culture of innovative problem-solving. Encouraged creative approaches boosting engagement and unique solution finding.

Passion for Responsible AI
Actively supported practices prioritizing ethical AI usage. Frequently shared knowledge at events reinforcing commitment to responsible tech.

Adaptable and Resilient
Exhibited resilience throughout varied projects and challenges faced. Adaptability has resulted in successful project outcomes across changing landscapes.

SKILLS

Python AI Ethics
Machine Learning TensorFlow
Deep Learning
Natural Language Processing
Data Analysis
Research Methodologies

Visualizations Algorithms

Statistical Analysis

Model Evaluation

Ethical Frameworks

Collaboration Tools

Open Source Projects

Technical Writing

LANGUAGES

English Native

MY CAREER

- Research Intern at University Research Lab (5 Months)
- Capstone Project Developer at Student Innovation Lab (3 Months)
- Course Project Developer at Data Science Society (4 Months)

Course Project Developer

Data Science Society January 2025 - May 2025 Online

Engaged peers in exploring user privacy issues tied to AI applications within digital media while analyzing participant feedback. Capturing nuanced user perceptions was key to the project's success.

- Created frameworks to evaluate AI's effect on privacy rights.
- Led discussions that interrogated ASSN machine utilization and consequence reflective analyses.
- Utilized statistical tools for interpreting complex datasets effectively.
- Shared key insights at departmental meetings engaging various perspectives.
- Promoted understanding of ethical frameworks guiding AI exploitation.

LEADERSHIP & AWARDS

- Dean's List, University of Washington, 2024
- Best Project Award, Annual Data Science Hackathon, 2025

CERTIFICATIONS

- AI Ethics and Governance 2025
- Deep Learning Specialization 2025

PROFESSIONAL AFFILIATIONS

- Vice President, AI Ethics Club, University of Washington, 2025
- Member, Women in Computer Science Organization, 2024

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST