Xiao Fischer

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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 2027

University of Washington GPA: 4.0 *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

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

EXPERIENCE

Research Intern

January 2026 - Present

University Research Lab *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

September 2025 - December 2025

Student Innovation Lab *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.

Course Project Developer

January 2025 - May 2025

Data Science Society *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

LANGUAGES

- English (Native)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST