Mike Wurth

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EDUCATION

The University of Iowa   **Iowa City, IA**
Bachelor's in Biology   *May 2020*
The University of Iowa   **Iowa City, IA**
Master's in Health Informatics   *December 2024*

EXPERIENCE

AI Data Specialist – Freelance   July 2024-Present
Data Annotation Tech, New York, NY

- Provided Reinforcement Learning from Human Feedback (RLHF) to enhance machine learning models' development
- Evaluated models on adherence to legal and ethical standards (eg. harmlessness, truthfulness, safety, etc)
- Evaluated AI-generated code and scripts for correctness and issued revisions

Graduate Teaching Assistant – Computer Science I: Fundamentals   January 2023-May 2023
University of Iowa, Computer Science Department, Iowa City, IA

- Addressed queries and ensured student understanding of programming fundamentals in Python
- Provided grading and constructive feedback on student programming assignments
- Facilitated active discussion sections and guided students through assignment requirements

Medical Imaging Analyst   October 2021-December 2023
VIDA, Coralville, IA

- Developed and optimized Python scripts for efficient data processing and customer delivery
- Performed efficient, high quality CT scan analysis, quality control checks, and data delivery
- Provided feedback on software usability, infrastructure requirements, and process improvements

Clinical Lab Analyst – Shift Lead   August 2020-March 2021
TestIowa, State Hygienic Laboratory, Coralville, IA

- Led second shift qPCR and analysis of as many as 4,000 patient COVID-19 samples per night
- Utilized Python scripts to process patient data, integrating results into web-based reporting systems
- Designed quality control protocols and maintained thorough QC record database

PROJECTS

Reproduction of Angelova et al. Study | Python, Pandas, scikit-learn

- Engineered modular Python scripts to easily reproduce & extend study's experiments in scikit-learn
- Created system to systematically generate results and figures for each experiment

Personal Planner – **A Web App** | JavaScript, React JSX, Tailwind CSS, Git

- Architected full-stack web application using React, component-based design patterns, and API-connected database structures

TECHNICAL SKILLS

Languages: C#, Python, Java, SQL, JavaScript
Frameworks & Libraries: React, TailwindCSS, Pandas, Scikit-learn
Developer Tools: Git, JIRA, Visual Studio, Visual Studio Code, Unity