Yael Lyshkow

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Professional Profile

- Advanced technical ability and expertise in Python, LaTeX, Java, and Microsoft Office Suite (Excel, Word etc.)
- Experience integrating into a team and providing efficient, valuable support to others in service positions
- Capacity to pick up new skills effectively in a short amount of time without external assistance

Employment History

Data Processing & UI Development Intern, **DesAcc NA Inc. |** May 2023 - September 2023

- Transformed diagnosis text files into structured JSON, optimizing data manipulation and storage
- Developed a user-friendly UI in Python for healthcare professionals to identify and label conditions in over half a million diagnosis documents
- Created a large, classified dataset to train AI models for extracting and labeling diagnoses from unstructured text
- Maintained data accuracy, contributing to the successful deployment of AI tools in clinical settings
- Handled and processed sensitive health data with strict adherence to HIPAA regulations, guaranteeing data protection and confidentiality throughout the project

Software Intern, **DesAcc NA Inc. |** May 2024 - September 2024

- Developed a pipeline to convert sequences of 2D Cartesian images into 3D DICOM files for enhanced medical imaging applications in Python
- Implemented algorithms for accurate spatial alignment and volumetric reconstruction, ensuring high fidelity in the resulting 3D models
- Continuously optimized the process to handle large datasets efficiently while sustaining data integrity and compliance with medical imaging standards
- Worked with DICOM viewers such as Weasis, 3D Slicer, and OsiriX to validate and visualize the generated 3D DICOM files

Volunteer Experience

Stock Assistant, **Cancer Research UK (Charity Shop) |** February 2020 – June 2020

- Efficiently organized and managed merchandise, creating a well-presented and orderly shopping environment
- Collaborated with team members to uphold a clean and inviting workspace, enhancing the overall customer experience
- Delivered excellent customer service by acquiring in-depth product knowledge and effectively communicating it to customers in a compelling manner

Education

University of Toronto, Year 3, September 2022 – Present

- Computer Science (Specialist), Mathematics and Classical Civilization (Minors), current CGPA 3.91

Royal High School Bath, UK Year 7-13, April 2016 – May 2022

- **GCSEs** (99999999998A)
- **International Baccalaureate** (IBDP) (43/45 Points | Mathematics AA HL: 7 | Computer Science HL: 7)

Achievements and Certifications

- University Of Toronto International Scholar Award Faculty of Arts and Science ($100k)
- Woodsworth College Academic Scholarship
- HIPAA Security Training
- HIPAA Awareness Training
- Cyber Security Awareness (Virtual College)
- The Essentials of Data Protection (Virtual College)
- Confidentiality in the Workplace (Virtual College)

Skills

- Technical Skills: Python, Java, LaTeX, DICOM, JSON, Microsoft Office Suite (Excel, Word), C
- Analytical Skills: Data Manipulation, Volumetric Reconstruction, AI Model Training
- Soft Skills: Team Collaboration, Quick Learner, Organized, Efficient