Filip Ciesinski

ML Engineer and Data Researcher

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Synopsis

Passion-driven engineer with experience in Machine Learning development and Data Research. I believe in using modern technologies to deliver scalable solutions to best fit business needs.

Technical Tooling

Programming Languages, Data, & Ecosystem : Python, MATLAB, Bash, YAML, Java, JavaScript & TypeScript, HTML & CSS, C, JSON, CSV ‖ Anaconda, Django, FastAPI

Skills : Data Analysis, Jupyter Notebook, SpreadSheets, Git, SSH, Docker, AWS, Cloudflare, Linux

Education

A Bachelor of Science in Computer Science from **University of Illinois Springfield** anticipated graduation **December 2026**.

Current GPA 3.75 and 117 credit hours completed, majoring in **Computer Science** with a minor in **Mathematics**.

Project Experience

Gait Assessor

- Able to collaborate with Dr. Kang; supervising my machine learning research and providing him transparent progression as well as asking insightful questions that over-deliver.s

- Transform unstructured RGB video data into structured Numpy arrays and CSV data for machine learning using an ETL data pipeline.

- Currently able to train and use a Temporal Segmentation Network: a 2d action recognizer Convolutional Network Model.

- Able to comfortably setup and use development shell environments to operate machine learning deployment.

- Interpret relevant Gait analysis research to diagnose key information through data visualization and classification structure.

- Experimentation in progress.