JUSTYNA KACZMARZYK

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SKILLS

Languages: Python (4 years), C++ (3 years), Java (3 years), Bash (3 years), SQL (3 years)
Frameworks: Flask, Hugging Face, Keras, NumPy OpenCV, Pandas, PyTorch, spaCy, Scikit-learn
Machine Learning: Causal Inference, Deep Learning, Classification, Regression, NLP, Computer Vision
Tools: AWS, Docker, Git, Unix
Web Development: JavaScript (3 years), React.js, CSS, HTML, Flask

EXPERIENCE

GIRLS WHO CODE New York, NY (Remote)
Instructor, Summer Immersion Program Jun. 2022 - Present

- Directs 3 rounds of a 2-week immersive, virtual coding program for a group of 60+ high school students.
- Conducts daily review of students' HTML, CSS, and JavaScript code.
- Leads a team of 5 teaching assistants and interfaces with external corporate sponsors.

UNIVERSITY OF ILLINOIS AT CHICAGO Chicago, IL
Graduate Teaching Assistant, Computer Science Department Aug. 2021 - May 2022

- Instructed students in a course covering logic, discrete mathematics, and statistics.
- Conducted weekly discussion sections and office hours.

UNIVERSITY OF ILLINOIS AT CHICAGO Chicago, IL
Graduate Research Assistant, Engineering Makerspace Aug. 2021 - May 2022

- Supervised student work in the Makerspace fabrication laboratory ensuring safety practices.
- Designed personal projects in computer-aided design for 3D printing and laser cutting.

KPMG Chicago, IL
Seasonal Data, Analytics and AI Intern, Advisory May 2021 – Jun. 2021

- Applied natural language processing (NLP) to recognize and obfuscate confidential client data.
- Evaluated Deep Learning classification models with area under curve (AUC), precision, and recall metrics.
- Employed NLP tools such as spaCy and Watson Natural Language Understanding (NLU).

PROJECTS

Slack Emotion Bot:

- Bootstrapped a Reddit comment dataset with emotion annotations via zero-shot classification (BART).
- Fine-tuned BERT-based models with PyTorch and Hugging Face.
- Built Slack bot that accesses model via Flask API endpoint.

Spotify's Platform Effect:

- Determined effect of track being featured on Spotify's New Music Friday playlist on its popularity.
- Utilized causal inference tools such as the CausalImpact package and Microsoft Research's DoWhy library.

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO Chicago, IL
Master of Science in Computer Science Jan. 2021 – May 2022
Cumulative GPA: 3.89/4.00

UNIVERSITY OF ILLINOIS AT CHICAGO Chicago, IL
Bachelor of Science in Computer Science Jan. 2018 – Dec. 2020
Cumulative GPA: 3.67/4.00