

Ian J. Puszynski

Greater Chicago Area • puszynskian@gmail.com • <https://puszynski.neocities.org/>

Education

University of Illinois at Urbana-Champaign — Bachelor of Consumer Economics, Finance Concentration
(Minors: Computer Science, Data Science) • GPA: 3.52/4.00

University of Illinois at Urbana-Champaign — Master of Computer Science (Graduation: 2028)

Project Experience

• Real-Time Facial Expression Analysis & Virtual Avatar System

- Built a real time facial expression analysis pipeline using Python and computer vision
- Engineered behavioral features from facial landmarks to train and evaluate machine-learning classifiers
- Integrated predictions into a live animated avatar system

• Distributed Web Crawling & Inverted Index System

- Developed an automated crawler using Hadoop workflows to traverse the internet, download documents, and process text for search applications
- Implemented a tokenized pipeline, TF-IDF and Word2Vec embeddings, achieved semantic retrieval for relevant document ranking across user search queries.

• Predictive Modeling for Financial Product Success

- Cleaned and transformed structured dataset to model financial product success outcomes
- Implemented L1-regularized logistic regression to accurately predict business recommendations

• Social Graph Localization & Behavioral Inference

- Analyzed social network graph data to infer user home locations from connection patterns
- Applied clustering and graph-theoretic methods to estimate geographic behavior

• Android Java App Development

- Developed a full-stack app using Java and Android SDK. Developed filtering algorithms and UI workflows for dynamic content display.

Professional Experience

• Samsung Experience Consultant – Training & Analytics Lead - 2020 Companies (May 2025 – Aug 2025)

- Produced weekly reports on product performance and customer trends; trained Best Buy staff on Samsung systems and sales strategy. Ranked 7th nationally in Q3 for sales. Provided technical support to devices

• Marketing Representative / IT Associate - Paramount Lead Solutions (Mar 2024 – Jul 2024)

- Cleaned backend datasets and reconciled discrepancies. Converted cold leads into clients through persuasive outreach.

• Economics Tutor - University of Illinois Urbana-Champaign (Mar 2024 – Present)

- Tutored Intermediate Microeconomic Theory with applications in energy and environmental policy.

Technical Skills

Programming: Python, C++, Java, R

Data & ML: NumPy, Pandas, Scikit, OpenCV, PyTorch, Cuda, Neural Networks, NLP

AI : Hugging Face Transformers, BERT, GPT

Languages: English, Polish, Spanish