Chris Haleas

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# EDUCATION

**Indiana University, Luddy School of Informatics, Computing, and Engineering |** Bloomington, IN **GPA: 3.67**

*Master of Science in Computer Science* Expected May 2026

*Bachelor of Science in Computer Science* ​Expected May 2025

**Specialization**: Artificial Intelligence | **Minor:** Data Science | **Certificate:** Entrepreneurship

**Hutton Honors College**: Selected for a rigorous curriculum of honors-level liberal arts and STEM courses in recognition of academic excellence

**Relevant Coursework:** Data Structures and Algorithms, Principles of Machine Learning, Intro to Artificial Intelligence, Statistical Inference

# WORK EXPERIENCE

**Carnival Cruise Line** | Miami, FL May 2024 – Present

*IT Sales and Guest Operations Intern*

* Summer internship extended into an academic year internship to continue leading the company’s AI initiatives
* Spearhead AI-driven recommendation engine integration, enhancing guest experience with personalized suggestions
* Design recommendation engine using Collaborative Filtering, Content-Based Filtering, and an Adaptive Ranking model
* Collaborate with the product management team on booking system modernization project, impacting 30% of company revenue
* Lead development of AI tool utilizing Copilot API to summarize call center notes, boosting customer service efficiency
* Create Agile user stories for new features using Figma and Microsoft Azure, directing the engineering team’s development

**Lavner Education** | Chicago, IL June 2023 – August 2023

*Information Technology Intern*

* Managed software setup and technical troubleshooting for 30+ computers to ensure smooth use for students and employees
* Coordinated and supervised the activities of 30+ campers in a tech summer camp, ensuring their safety and well-being
* Provided instruction and guidance to 10 students a day on various aspects of programming and game development fundamentals

# PROJECTS

**Content Safety Classification Model** for Trustworthy Machine Learning Course | *Python, PyTorch, Streamlit, Matplotlib* Spring 2025

* Developed and trained an NLP model using RoBERTa architecture to classify text for content safety, achieving 84% accuracy
* Implemented a real-time Streamlit web application that integrates the trained model, allowing users to evaluate content safety
* Designed and conducted adversarial attack demonstrations to identify model vulnerabilities and documented the findings

**NFL Trade Analysis** for Intro to Data Analysis and Mining | *Python, pandas, scikit-learn, Matplotlib*  Fall 2024

* Developed an NFL Trade Impact Analysis Tool to predict changes in player performance following trades
* Processed a Kaggle dataset to calculate normalized performance scores, visualizing the results with a heatmap to highlight trends
* Built a Linear Regression model to forecast performance changes, evaluating accuracy with R², RMSE, and MAE metrics

**Fashion Forward** for Intro to Artificial Intelligence Course | *Python, pandas, scikit-learn* Spring 2024

* Developed a Fashion Recommendation System, enabling users to receive clothing recommendations based on entered attributes
* Trained K-Nearest Neighbors, Random Forest, and Decision Tree models on 45,000 clothing items using scikit-learn
* Evaluated recommendation accuracy by computing cosine similarity between user preferences and predicted items

**StudyBuzz MVP** for HackTX | *Python, HTML, CSS, JavaScript, PyTorch, Node.js, React, Flask* Fall 2023

* Built a prototype web app to generate concise and informative AI-powered summaries of lecture content
* Trained a machine learning model on a dataset of 6500+ books to generate accurate summaries of lecture video files
* Integrated React.js and Flask to create a dynamic frontend with a scalable and Python-powered backend

# STUDENT INVOLVEMENT

**StudyBuzz** | Bloomington, IN Fall 2023 – Spring 2024

*Co-Founder*

* Pioneered a machine learning-driven EdTech app, aimed at creating a streamlined platform for student-educator engagement
* Collaborated in the active development of the software, leveraging collective expertise to drive progress and innovation
* Selected to join the Shoebox, IU’s premier student startup incubator designed to provide invaluable guidance to student founders

**Kappa Sigma Fraternity** | Bloomington, IN Spring 2023 – Present

*Founding Member, Merchandise Chair*

* Contributed to the renewal of the Beta Theta chapter by leading community service and new member recruitment efforts
* Designed and edited original custom merchandise designs for 140+ fraternity members utilizing Photoshop and Adobe Illustrator

# SKILLS

**Programming Languages:** Python, Java (Swing), R, SQL | **Web Development:** HTML, CSS, JavaScript, Flask

**Software:** Jupyter Notebook, Figma, Microsoft Office (Excel, PowerPoint, Word), Microsoft Azure, GitHub, Visual Studio Code

**Libraries:** TensorFlow, pandas, PyTorch, NumPy, JUnit, Streamlit, React, Node.js, scikit-learn, Matplotlib | **Spoken Languages:** Greek, Spanish

# HONORS AND AWARDS

# Hoosier Scholar Community (*Fall 2022 – Present*) *|* Dean’s List (*Fall 2022, Spring 2023*) | CSCI Scholarship (Fall 2023, Spring 2024)