Marc Surpris
[Fords, Nj] | [862-215-3246] | [marcsurpris7@gmaili.com] | https://portfolio-19rm.onrender.com/

Objective

Motivated Computer Science student pursuing a PhD, seeking to join Airbnb's Trust Platform team as a Data Science Intern for Summer 2025. Passionate about leveraging expertise in generative AI, deep learning frameworks, and Python to enhance image authenticity detection and contribute to a safer, more trustworthy platform for Airbnb's global community.

Education

Rutgers University
Associate of Computer Science | GPA: 3.17/4.00
Concentration: Human-AI Workflow Engineer
May 2025
Relevant Coursework: AI/ML, Data Engineering, Statistics, Process Automation, Human-Centered Design, Foundations for Business Programming, Investment Modeling with R
Currently pursuing a PhD in Computer Science at [Your University Name], expected graduation between December 2025 - June 2026
Relevant Coursework: Advanced Machine Learning, Deep Learning, Generative AI Techniques, Computer Vision, Data Science Methodologies

Technical Skills

- **Languages**: Python
- **Frameworks**: PyTorch, TensorFlow
- **Expertise**: Generative AI, image detection, dataset creation, literature reviews
- **Tools**: Jupyter, Git, Pandas, NumPy

Work Experience

Data Science Intern
[Shopify], [Ny/Remote]
[June 2024]– [Aug 2024]

- Developed machine learning models in Python to address [e.g., fraud detection], improving [e.g., efficiency by 10%].
- Collaborated with teams to deliver data-driven insights for product enhancements.

Research Assistant
[Rutgers University], [New Brunswick, NJ]
[Sep 2021]–May,2025

- Reviewed literature on generative AI image detection, integrating findings into model design.

- Built and fine-tuned deep learning models using PyTorch, achieving [e.g., 90% accuracy] on image datasets.
- Curated training datasets for computer vision tasks, optimizing real-time performance.

Leadership & Programs

Rising Leader Award

- Recognized for exceptional leadership and innovative contributions to the Rutgers community through student-led AI and data science initiatives.

Accenture Case Study

- Conducted a comprehensive case study on sustainable cacao farming, applying data analysis to optimize supply chain processes and develop accessible educational strategies.

Skills & Interests

- **Technical Skills**: Python, PyTorch, TensorFlow, R, SQL, Matplotlib, Flask, Data Visualization, Generative AI Techniques, Deep Neural Networks (DNN), Computer Vision
- **Languages**: English (Native), Spanish (Native)
- **Interests**: Data Science, Generative AI, Image Authenticity Detection, Trust and Safety in Technology, Hospitality Platforms.

Projects

GenAI Image Detection

- Implemented PyTorch-based model to detect synthetic images, achieving [e.g., 90% accuracy].
- Created and evaluated datasets for training, enhancing model robustness.

Image Classification

- Built CNN using TensorFlow for [e.g., content moderation], achieving [e.g., 85% precision].

- **Video Chat App** - I created a Python-based video chat application to facilitate communication with friends and business associates. The application was built using the Flask framework for robust backend functionality. It includes essential features like a chat box for text messaging and video camera integration for real-time video calls. The project ensures a seamless user experience for both personal and professional interactions.

- **Addiction-Support**- My addiction-support website, built using Python and SQL, is a compassionate digital platform designed to empower individuals on their recovery journey. Leveraging Python's Flask framework for a seamless and responsive user experience, the site offers a safe space where users can access resources, track their progress, and connect with a supportive community. The SQL database efficiently stores user profiles, recovery milestones, and motivational content, ensuring personalized and secure data management. Features like daily affirmations, goal-setting tools, and a forum for sharing stories foster hope and accountability,

while the clean, intuitive interface makes navigation effortless for users seeking guidance and encouragement in overcoming addiction.