Evans Armantrading III

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EDUCATION

Delaware State University   Dover, DE
Bachelor of Science in Computer Science, GPA: 3.91   *Expected Graduation: May 2027*
- Dean's List: Fall 2023, Spring 2024, Fall 2024, Spring 2025
- Recognitions/Certifications: Google Cybersecurity Certification (Coursera), 1890 Scholar, Speaker at 2025 Mid Atlantic Chapter of the American Fisheries Society Conference

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, HTML, CSS
Frameworks/Tools: PyTorch, YOLOv8, OCC, Roboflow, GitHub, IntelliJ, VS Code, Greenfoot
Operating Systems: macOS, Windows, Linux

EXPERIENCE

Research Intern   July 2024 - Present
CIBiLI (Computational Intelligence in Biological and Legal Informatics)   *Dover, DE*
- Developed Python scripts to classify pixelated vs. clear sonar images, improving accuracy in aquatic research pipelines.
- Built an AI image detection pipeline using YOLOv8 to identify endangered sturgeon species breaching from rivers.
- Created and augmented a dataset in Roboflow, trained the model with PyTorch, and analyzed precision and recall.
- Collaborated with researchers to deploy a real-time detection system to assist ecological conservation efforts.

Research Intern (REU)   Summer 2025
North Dakota State University   *Fargo, ND*
- Selected for a competitive 10-week NSF REU focused on AI-origin detection of synthetic images.
- Built a classification system to identify whether images were generated by BigGAN, DALL·E, or Stable Diffusion.
- Designed and implemented an Origin Classification Chain (OCC) to route inputs through the most accurate detection models.
- Improved AI-origin attribution accuracy using model-specific verification layers in PyTorch.

Founder & CEO   Jan 2024 - Present
Evans Estates LLC   *Dover, DE*
- Founded a real estate investment and renovation company managing full-scale property flips end-to-end.
- Coordinated contractors, obtained city permits, and budgeted renovation costs using spreadsheet automation.
- Oversaw redesign of electrical, plumbing, and interior layouts to meet safety and market value standards.
- Applied SCRUM methodology to manage timelines and workflow efficiency.

PROJECTS

Gone Phishin' (Hackathon) | *Python, Flask, HTML, JavaScript*   March 2025
- My team placed 3rd at the DSU 2025 Hackathon by designing a Chrome extension for email phishing detection.
- Used Cursor to build a Flask backend connected to the Gemini API to analyze emails, return confidence scores, and explain detection reasoning.
- Developed a JavaScript-based frontend UI allowing users to scan emails for evaluation.
- Integrated LLM-generated explanations to help users understand phishing risks and suspicious content.

Poultry Health App | *Figma, Flutter*   Fall 2025 – Present
- Collaborating with a cross-disciplinary team to design a UI/UX prototype that visualizes real-time sensor data and disease-risk alerts for farm owners.
- Building the frontend in Flutter to implement data visualization and alert functionality for future IoT integration.

FICO Analytics Challenge | *Python, Google Colab, Pandas, LLM Prompt Engineering*   Fall 2025
- Won the FICO Analytics Challenge by fine-tuning a BERT-based NLP model achieving over 92% accuracy on customer intent classification.
- Collaborated on synthetic data generation, labeling strategy, and evaluation design, optimizing performance using F1-score to address class imbalance and noisy real-world text.
- Presented model architecture, training strategy, and performance tradeoffs directly to FICO's Chief Analytics Officer and senior analytics leadership.