

Shane Woloszyn

Computer Science & Economics Student

Kennebunk, Maine, United States • woloszyn.shane@gmail.com • (207) 604-6787 • www.shanewoloszyn.com

Driven and motivated student pursuing a double major in Computer Science and Economics at Purdue University, with a deep passion for the intersection of technology, data, and finance. Specializing in artificial intelligence and data analysis I leverage my skills to drive innovation. My experience spans research in medical imaging, web development, and leadership roles, allowing me to solve complex problems as a team-player and deliver impactful solutions.

PROFESSIONAL EXPERIENCE

Independent Researcher | University of New England | Biddeford, Maine, United States

Jun 2024–February 2025

- Designed and implemented a Conditional Generative Adversarial Network (CGAN) and Super Resolution Generative Adversarial Network (SRGAN) for generating synthetic chest X-ray images aimed at improving medical education.
- Leveraged Python, PyTorch, and Numpy to construct and refine model architectures, achieving significant enhancements in image fidelity.
- Conducted thorough performance evaluations of the CGAN, employing statistical methods to verify the quality of generated outputs against actual CT scan data.
- Collaborated closely with Dr. Sylvain Jaume, culminating in a presentation at the Summer Undergraduate Research Experience Symposium, showcasing findings and implications for future research.

Busser | Rosella KPT | Kennebunkport, Maine, United States

Jul 2024--Now

- Delivered exceptional customer service by efficiently greeting patrons and managing order intake for a seamless dining experience.
- Cultivated effective communication and teamwork skills, contributing to a supportive work atmosphere that promoted high levels of customer satisfaction.
- Maintained cleanliness and organization of dining areas, which directly enhanced the guest experience and overall restaurant efficiency.
- Assisted in training new staff on operational procedures, fostering a collaborative team environment and ensuring service consistency.

EDUCATION

Purdue University | West Lafayette, Indiana

August 2025 - June 2029

Bachelor of Science - BS in Computer Science, Bachelor of Arts - BA in Economics

John Martinson Honors College

Kennebunk High School | Kennebunk, Maine

August 2021 - June 2025

High School Diploma

4.3 GPA, 12 AP/IB Classes. Elected Executive Council member, Editor in Chief of The Herd (Newspaper), Captain of the tennis team. Relevant Coursework: AP Computer Science A (5), AP Calculus AB (5), AP Statistics (4), AP Physics C (4), IB Economics.

SKILLS

Generative Adversarial Networks
Deep Learning
Python Programming
Tensorflow/

Image Processing
Model Optimization
Data Analysis
Java Programming

Research Methodologies
Team Collaboration
Customer Service
Academic Research

Honors and Awards

Top 1% in Project Euler | Project Euler | 12/29/2024

United States of America Computing Olympiad Platinum | USACO | 04/28/2024

Al Neuharth Free Spirit Scholar | Freedom Forum | 06/30/2024