Andrei Roman

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Objective

Seeking a position that leverages my advanced skills and experience in Mathematics, Computer Science, and Artificial Intelligence to solve complex business problems, contribute to team success, and deliver lasting impact.

Education

Kent State University - *4.0 GPA*   Kent, Ohio
Masters of Science in Artificial Intelligence   2025

The Ohio State University - *3.3 GPA*   Columbus, Ohio
Bachelors of Science in Mathematics - *Applied Mathematics Track*   2023
Bachelors of Science in Computer Science and Engineering - *Artificial Intelligence Track*

Experience

Software Development Intern   Columbus, Ohio
Hikma Pharmaceuticals   2021
• Debugged Visual Basic codebase that recorded pharmaceutical documentation on factory floor.
• Resolved 3 reported issues with mismatched output to ensure legal compliance in paper trail.
• Contributed to an internal search tool that used keywords to help factory workers navigate software.

Entrepreneur   Columbus, Ohio
Riffle Square Cut LLC   2019
• Operated an LLC for 5 years, ensuring full compliance with local laws and regulations.
• Developed 4 editions of a card game, sourcing 3 quality global manufacturers.
• Secured retail placement in 5 stores and 2 conventions, leading to the sales of over 350 units.
• Conducted A/B testing on focus groups, leading to a 5% improvement to the CSAT over 3 years.

Research

Bounding a Generalized Stolarsky Mean with Holders Mean   Wilmington, Ohio
MAA Ohio Chapter Meeting - *https://github.com/urbandrei/HolderStolarsky/*   2024
• Collaborated with a professor over 3 months, defining the problem and exploring potential solutions.
• Leveraged mathematical modeling and computational analysis tools to approximate solutions.
• Presented findings in a 15-minute research talk at a mathematics conference, answering questions.

Projects

PunchFAST: easy reward programs for small businesses   Columbus, Ohio
HackI/O hackathon - *https://urbandrei.pythonanywhere.com*   2024
• Conducted user research to refine the project concept, ensuring alignment with business needs.
• Developed a full-stack website using Python, Flask, PeeWee and SQLite within a 24-hour timeframe.
• Led a team of 2, guiding them through the development process to deliver a functional product.

Awards

The Ohio State University Maximus Scholar   2018
Recognized for outstanding academic achievement and leadership among peers.

Rasor-Bareis-Gordon Mathematical Competition Honorable Mention   2018
Scored in the top 6 in a competitive year against other math undergrads.

AIME Qualifier   2017
Demonstrates top-tier mathematical skills and problem solving abilities.

Skills

Software Development
Javascript, C++, Java, Typescript, C#, HTML, CSS, Bootstrap, NodeJS, React, Angular, MongoDB, PostgreSQL
Data Analytics
SQL, R, Excel, Google Sheets, Tableau
Artificial Intelligence
Python, SKlearn, Pytorch, Tensorflow, Keras