AIDAN DEGOOYER

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SUMMARY

I am fourth-year student pursuing degrees in Computer Science and Economics. I possess excellent problem-solving skills and strong attention to detail. I am interested by the prospect of applying cutting-edge technologies to create innovative solutions, and I am excited to bring my perspective and talents to a forward-thinking team.

TECHNICAL SKILLS

- *Programming Languages:* Python, Java, C, C++, TypeScript/JavaScript, HTML, CSS
- *Tools:* TensorFlow/Keras, Git, CUDA, Pandas, NumPy, Django, React, PyTorch, GUnicorn, nginx
- *Skills:* Machine Learning, Evolutionary Algorithms, Full-Stack Development and Deployment

WORK EXPERIENCE

Higher Skills, *Lead Software Engineer*, Remote   2024 - 2025
- Led a team that designed and developed AI-driven analysis software using Meta's LLaMa model and began the fine-tuning process.
- Designed and created a responsive and intuitive frontend for users to interact with this AI-driven simulation.
- Our product came in 2nd place at the Fairfield University StartUp Showcase and 1st place at UT Arlington's MavPitch
- Secured over $20,000 in seed funding through these competitions.

PROJECTS

Online Water Meter, *Raspberry Pi, Django, React, Gunicorn, nginx*, Harpswell ME   2024
- Designed and built a hardware sensing solution into my home's water storage system to collect data.
- Designed, developed, and deployed a full stack web application to view the current water level and history.
- Predictive water level model allowed better scheduling of water delivery, saving hundreds in expedited delivery fees.

Secondhand Marketplace w/ AI Tools, *Django, KoboldCPP, Blip2, React,* Syracuse NY   2025
- With my team, developed an inventory software solution intended for thrift and charity stores using the agile process
- Created an AI solution to improve pricing efficiency by suggesting a price and product name/description based on an image of the product.

Evolutionary Machine Learning Project, *TensorFlow, CUDA, NumPy, Pandas*, Syracuse NY   2024
- Created, trained, and tested a variety of models (Neural Network, Particle Swarm, etc.) on a dataset.
- Compared different training methods across the course of the class including evolutionary strategies with mutation.

EDUCATION

Syracuse University, Syracuse NY *(3.8 GPA)*   2025
- *BS in Computer Science* (College of Engineering and Computer Science)
- *BA in Economics* (Maxwell School of Citizenship and Public Affairs)
- *Tau Beta Pi Engineering Honor Society*
- *Relevant Coursework:* Evolutionary Machine Learning, Design of OS, Object Oriented Programming in C++
- *Awards:* 6x Dean's List
- *Study Abroad:* London, Fall 2023

OTHER

Counter-Strike Team, *Player & Team Manager*, Syracuse NY   2021 - Present
- Played competitive Counter-Strike for the university on their varsity-level esports team.
- Built the program from a club team *(2021)* to a university-supported varsity program *(2024)*
- 1x National Varsity Champions *(Spring 2024)*
- 1x National Club Champions *(Fall 2021)*
- 1x National Club Runners-up *(Fall 2023)*