Andrew Negrut

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EDUCATION

Rice University   Houston, TX
Bachelor of Science in Computer Science   Aug 2022 - May 2026
University of Wisconsin-Madison   Madison, WI
High School Dual Enrollment, Math and Computer Science   Aug 2019 - May 2022

EXPERIENCE

NSF REU Intern   May 2023 - Oct 2023
Rice University DSP Lab, Dr. Richard Baraniuk   Houston, TX
- Led testing and analysis program for the DeepTensor low-rank decomposition technique utilizing deep generative neural networks.
- Implemented and compared state-of-the-art tensor denoising algorithms to DeepTensor.
- Pinpointed cases in which DeepTensor underperformed, leveraged PyTorch to address these areas.

Data Modeling Intern   Jun 2022 - Aug 2022
Johnson Controls   Milwaukee, WI
- Performed COBie data conversion in building automation effort via IoT.
- Developed an efficient pipeline producing JSON and Turtle (Terse RDF Triple Language) data for smart-building specifications.
- Refined Python data modeling and data conversion skills.

Automated Testing and Usability Intern   Jun 2021 - May 2022
Summit Credit Union   Madison, WI
- Designed and implemented automated TestCafe usability scripts in JavaScript.
- Ensured the functionality of key elements of software powering the online banking process for 250,000 people
- Developed familiarity with Confluence, Jira, and the software development workflow.

PROJECTS

GuitarTone.tech | Python, Django, Bootstrap, jQuery, AJAX, PostgreSQL, Docker
YOLOv5 AI Object Detection, Google Dinosaur Game | Python, PyTorch, OpenCV, Pandas, PyAutoGUI
USACO, CSES, Codeforces (Competitive Programming) | C/C++

TECHNICAL SKILLS

Languages / Frameworks: Python, C/C++, Java, SQL, JavaScript, HTML/CSS, PyTorch, Django, jQuery
Skills: Machine Learning, GPU, CUDA, Artificial Intelligence (AI), Computer Vision, Algorithms, Data Structures, Data Modeling, IoT, Automation, Software Testing, Usability Testing
Tools: Git, DigitalOcean, Docker, Jira, Confluence, VS Code, Eclipse, IntelliJ