Nedas Jaronis

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Education

University of Florida **Gainesville, FL**
Bachelor of Science in Computer Science, GPA: 3.68 ***May 2028***

Relevant Coursework

Data Structures and Algorithms, Programming Fundamentals (Python, C++), Computer Organization, Engineering Statistics, Computational Linear Algebra, Discrete Structures 1, Calculus I–III

Technical Skills

Languages: Python, C++, HTML, CSS, JavaScript, TypeScript
Developer Tools: Git, VS Code, Visual Studio, PyCharm, Jupyter
Frameworks/Libraries: React, Flask, BAML, Tensorflow, Numpy, Pandas, Matplotlib

Experience

University of Florida – AI Club *(in partnership with AI^2 Center)* **Gainesville, FL**
Director of Technological Advancements **Summer 2025 – Present**

- Planning and initiating technical projects to foster innovation and hands-on engagement in AI through the club's partnership with UF's AI^2 Center.
- Designing upcoming workshops and educational tools aimed at enhancing member skills in machine learning, data science, and large language models.
- Working to build collaborations with faculty and peers to launch interdisciplinary AI projects and future community outreach efforts.

Tampa Bay Innovation **Tampa, FL**
Software Engineer Lead Analyst **Summer 2025 – Present**

- Provide strategic advising to the CEO on technology architecture solutions, administrative and budget management, and project planning for investor pitch decks.
- Lead development and maintenance of the company's website and internal web tools using React.js, TypeScript, Node.js, and Python.
- Architect and deploy full-stack solutions integrating Generative AI models to enhance automation and client engagement.
- Collaborate cross-functionally with product and design teams to optimize system scalability, UX responsiveness, and API performance.

Projects

SolSearch – 1st Place, Sustainability Track, Gator Hacks 2025 | *React.js, Python, scikit-learn, SQLite* **January 2025**
APIs: OpenStreetMap, NSRDB, Open Meteo, US EIA

- Developed an AI-driven platform to evaluate land parcels for solar energy potential using geospatial and environmental datasets.
- Implemented machine learning models (Random Forest, k-NN) to forecast renewable adoption trends and identify optimal solar sites.
- Built interactive heat maps and solar suitability scoring visualizations in React.js for data-driven energy planning.

Physics Vis | *React, TypeScript, BAML, Python* **May 2025 – July 2025**

- Developed a project creating a dynamic physics problem visualizer powered by LLM prompting using BAML (Better Agents for Language Models).
- Built an interactive front-end using React and TypeScript to animate real-time solutions to user-input physics problems.
- Designed a backend pipeline for interpreting user questions, resolving them with BAML-enhanced prompts, and dynamically updating visual elements.

Certifications

• Building Transformer-Based Natural Language Processing Applications **NVIDIA, July 2025**