Evan Gunderson

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Melbourne, Florida

# Education

## 8/2022-5/2026 B.S. Computer Science, minor in Physics

## Florida Institute of Technology

## Major GPA: 3.4

# Experience

## 2023-Present Research Assistant, Department of Mathematics & Systems Engineering

### Florida Institute of Technology

Applied large language models to datasets of varied sizes related to government standards and lung cancer under grants from NASA and the Department of Health.

Made use of current machine learning and deep learning libraries.

Explored and developed with AI, ontologies, prompt engineering, black box testing & benchmarking, and databases.

Gained deep experience with Microsoft Power Platform.

Prepared for and presented in meetings with NASA collaborators

## 2024-Present Research Volunteer, High Energy Physics Laboratory

### Florida Institute of Technology

Developed and connected software for particle physics simulations. Led team of 5 undergraduate students working on codes primarily in C++,

Gained extensive experience in a Linux terminal

Worked with Pythia8, dd4hep, Geant4, Mathematica, FeynRules, Madgraph, and other software

## Summer 2024 **Mentor,** Statistical Modeling REU

### National Science Foundation (NSF)

Aided students participating in the 2024 REU funded by the NSF.

Provided guidance on paper writing, machine learning, statistical modeling, deep learning, and reviewing literature.

Gained experience with geospatial, cancer, and climate data for ML applications.

# skills

Data Structures, Algorithms, Databases, Azure, Research & Development, LLM’s, Software Engineering, Physics Simulations, Machine Learning, AI, DL, Automation, version control, Python, HTML, C++, Java, C, C#, R, x86 & Linux ASM, BASH, Presentations, Software Engineering, Operating Systems, French, OOP, GoLang, ForTran, Dart, Tensorflow, cuDNN, CUDA, Reinforcement Learning.

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