Lucas Yeykelis

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EDUCATION

University of Miami   **Coral Gables, FL**
Bachelor of Science in Artificial Intelligence and Data Science, Minor in Mathematics
Bachelor of Science in Business Administration in Business Technology   *Expected* May 2027
- **GPA:** 3.95 / 4.0
- **Honors:** Dean's List, Provost's Honor Roll (all semesters)
- **Relevant Coursework:** Neural Networks; Linear Algebra; Discrete Math; Python Programming & Algorithms; Applied Probability and Statistics; Interaction (and UX) Design; Multivariable Calculus

EXPERIENCE

Viewpoints AI   **Mountain View, CA**
Software Engineering and Marketing Intern   June 2025 – August 2025
- Led redesign and development of the Viewpoints AI website, implementing responsive front-end with HTML/CSS/JavaScript to enhance user engagement and product visibility
- Contributed to B2B chatbot engineering using Python and developed strategic marketing content to amplify brand reach and market engagement

University of Miami Frost Institute for Data Science & Computing   **Coral Gables, FL**
AI Developer   January 2024 – *Present*
- Founded first AI developer role at the Virtual Experiences Simulation Lab (VESL), growing from weekly advisor meetings to leading a 10-person development team; oversee AI integration across all lab projects (35 members)
- Lead development of LexiLearn, an AI-powered VR literacy application for K-12 education using Unity and C#; presented at Stanford University's Accelerate EdTech Summit; rolling out to Miami-Dade school districscts

Intelligent Computer Systems Research Institute (ICSRI) Fellowship   **Coral Gables, FL**
AI Research Assistant   January 2024 – *Present*
- Selected as one of six undergraduates for competitive research fellowship; co-authoring IEEE paper analyzing cognitive trade-offs between reasoning and general-purpose LLMs
- Designed evaluation framework measuring computational efficiency, metacognition, and reasoning alignment across 40+ tasks; developed Token Efficiency Ratio and Energy estimation formulas

Miami Project to Cure Paralysis   **Coral Gables, FL**
Research Assistant   September 2025 – December 2025
- Applying DeepLabCut for automated pose estimation to quantify fear responses in traumatic brain injury research under Dr. Dan Liebl's lab at Miller School of Medicine

PROJECTS

Vehicle Positioning & Los/NLoS Classification | (Python, PyTorch, Pandas, scikit-learn, NumPy)
- Implemented and compared machine learning and neural network approaches for vehicle positioning in underground parking using Channel State Information (CSI) data
- Developed CNN classifier achieving 99.7% accuracy for line-of-sight signal classification and CNN regressor for position estimation (3.78m RMSE)

Q-Learning and Deep Q-Network (DQN) for Maze Navigation | (Python, PyTorch, Pygame, NumPy)
- Designed and evaluated Q-Learning and DQN algorithms for maze navigation with epsilon-greedy exploration
- Conducted hyperparameter analysis showing Q-Learning converged faster than DQN

SKILLS

Languages: Python, Java, Javascript, C#, HTML/CSS, LaTeX
Frameworks/Technologies: Pandas, Numpy, scikit-learn, Figma, Git, PyTorch, Unity, Jupyter Notebook, PlasticSCM, MetaQuest SDK
Activities: ICSRI Fellows Program, The VESL, Future Realities Research Lab (FRL)