

# Steven Chiacchira

✉ [schiacchira@gmail.com](mailto:schiacchira@gmail.com)   [in linkedin.com/in/steven-chiacchira](https://www.linkedin.com/in/steven-chiacchira)  
🐙 [github.com/Ezuharad](https://github.com/Ezuharad)   🌐 [ezuharad.github.io](https://ezuharad.github.io)

## Summary

*Self-starting, detail-oriented AI and Machine Learning Engineer with 3+ years of experience. Focused on people over processes and impact over theory. Strongly motivated by challenging problems.*

## Education

### Master's Degree in Computer Science

May 2025

- Master of Science from Miami University 4.0 GPA | summa cum laude
- Bachelor of Science from Miami University 4.0 GPA | summa cum laude
- Minor in mathematics. 2 years of Mandarin and chemical engineering study

## Work Experience

### ML Engineer @ The Laboratory of AI Security Research

Nov 2022 - May 2025

- Led laboratory artificial intelligence and computer vision projects. Mentored two new engineers
- Published COMPSAC paper on a novel Python framework for mutating Tensorflow autoencoders
- Published [AiR-TK](#): a collation of attack and defense algorithms for image models to [PyPI](#)
- Devised three probabilistic immunization algorithms for defending against deepfake-style attacks
- Proposed, designed, maintained build systems, software tooling, and continuous integrations

### Data Science Intern @ Textron Aviation

Jun 2024 - Aug 2024

- Led team Bayesian statistical inquiry. Found factor correlated to 100% increase in aircraft sales
- Presented team findings to upper management, regularly communicated expectations
- Deployed and maintained Azure Data Factory pipelines. Implemented data quality policies
- Proposed and led Apache Spark deployment to analyze petabytes of aircraft sensor data on Linux
- Convinced senior engineers to adopt Docker, wrote deployment documentation

### Machine Learning Intern @ ACT Inc.

Jun 2023 - Aug 2023

- Applied NLP techniques to candidate reading passages, reducing labor costs by 50%
- Developed web scraping tools to collect data from hundreds of news websites for free
- Collaborated with nontechnical employees to build Qt GUIs over multiple sprints
- Completely eliminated server costs by implementing a distributed database using Git and Python

## Projects and Skills

- **Reinforcement Learning:** Trained [neural network](#) to play videogame from live pixel data
- **PyTorch, Skimage, Sklearn:** Designed deep [neural network](#) for identifying roads from satellites
- **Machine Learning, Data Preprocessing:** Led team [monitoring](#) Amazon rainforest deforestation
- **Python, Web APIs, YAML:** Built a Discord [dice bot](#) supporting unique mechanics for RPG nights
- **Linux, Docker, Git:** Built a [makefile-based system](#) for deploying configurations to Linux systems
- **SQL, C++, Multithreading:** Implemented parallelized SQL language parser and server
- **Rust, Technical Writing:** Proposed and implemented novel [encryption scheme](#) using automata
- **C#.NET, MAUI, UX:** Designed and built recipe planning app using C# MAUI
- **Javascript, CSS, Docker:** Led team to design [multiplayer online game](#) with ExpressJS and Docker
- **Mathematics, Problem Solving:** Placing member of Miami University's Putnam Competition team
- Experienced with optimization techniques, statistical techniques, analysis techniques
- **Collaboration, Agile Methodology:** [Certified](#) ICAgile professional
- **Public Speaking:** Developed and presented curriculum to hundreds of concurrent students
- Licensed ham radio operator. Callsign KF8CAL

## Honors and Awards

Miami University President's List

2020 - 2025

Licking County's recipient of Miami University Governor's Scholarship

2020 - 2024

National Merit Scholar

2020