

Nicholas Winsen

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EDUCATION

Youngstown State University

Master of Science in Data Science and Statistics

Youngstown, OH

Jan. 2025 - May 2026

Youngstown State University

Bachelor of Science in Computer Science, Minor in Mathematics

Youngstown, OH

Aug. 2021 - Dec. 2024

EXPERIENCE

Instructor of Record (Statistics)

Youngstown State University

Aug. 2025 - Present

Youngstown, OH

- Managed all aspects of an undergraduate statistics course, including lecture, exam design, and grading.
- Iterated on course design based on previous student struggles and pain points.
- Maintained consistent communication with students while taking a full courseload.

Software Developer

Dev Youngstown

Jan 2025 – Present

Remote

- Engineered and maintained minimum viable product solutions for local startups.
- Collaborated with other students remotely via Discord in a remote work environment.
- Maintained a clean CI/CD pipeline with Github Actions and Northflank webhook triggers.

Data Science Researcher

Youngstown State University

Jan. 2023 - Present

Youngstown, OH

- Utilized DynamoDB to view **terabytes** of autonomous vehicle data and create beautiful visualizations
- Led and engineered a team to build a visualization dashboard for online brand comments
- Worked to build and fine tune predictive models for student success prediction at the University

Software Engineering Intern

National Aeronautics and Space Administration

June 2023 – Aug 2023

Cleveland, OH

- Utilized C++ and the Qt library to develop a plugin for steady state data acquisition system, COBRA.
- Collaborated with different engineering disciplines on an engineering challenge, **won first place**.
- Utilized GitLab and Software Engineering best practices while on the job.

PROJECTS

League of Lookup | *Python, FastAPI, React, PostgreSQL*

- Rolled full authentication system using JWT Tokens.
- Pulled real in game data from Riot Games API, cached recently pulled players.
- Designed sleek frontend using React/Typescript.

FluentSign | *FastAPI, React, MongoDB*

- Developed a Machine Learning ASL Learning tool using mediapipe, opencv, scikit-learn for hand sign recognition.
- Quickly engineered solution with team using React, FastAPI stack.
- Won **first place** at University hackathon.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R, bash

Frameworks: React, Node.js, FastAPI, Django,

Developer Tools: Git, Docker, Github Actions, Kubernetes, VS Code, Claude Code

Libraries: pandas, NumPy, matplotlib, scikit-learn