

NICK CLAWSON

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Education

The Ohio State University (Fall 2018 – Fall 2021*)

B.S. Astrophysics and Applied Physics with machine learning focus

Selected AI/Machine Learning Coursework:

- Physics 6820: Introduction to ML, deep learning, XGBoost, pandas, and sci-kit learn.
- CSE 5539 (1): Predictive text analysis with natural language processing using Twitter API and Python.
- CSE 5539 (2): Advanced computer vision, segmentation, and detection using PyTorch framework.

Professional Experience

Lead Data Scientist | CHN Analytics | August 2020 - Present

- Led a team of 6 in a 3-year project successfully developing start-to-finish production software for Procter & Gamble and Kraft Heinz that predicted hazards in 20,000 consumer product ingredients. Project included complex GPT3.5 prompt engineering, reliable AWS dashboards, ElasticSearch, and collaborative, cross-functional teams.
- Attended 3 technology conferences and secured client conversations with over a dozen top defense contractors including Lockheed Martin, Boeing, the DOE, and the NSF representing millions of dollars in funding.
- Created 10 tutorials for onboarding new employees, developed the company communication system, led a talent acquisition project, and served as the OpenAI liaison updating the company weekly on recent AI trends and news.

Data Science Intern | CHN Analytics | May 2020 – August 2020

Created natural language processing algorithms for text classification on more than 1000 classes. Increased performance by 10%. Developed skills in python, pandas, sci-kit learn, AWS, and ElasticSearch.

ML Internship | The Ohio State University | May 2019 – August 2019

Corrected for optical distortions in the focal plane system of two research telescopes by 60% using ML techniques. Developed skills in python, sci-kit learn, gradient descent, and complex problem solving.

Projects and Interests

Cordial Mini Projects | November 2023

Successfully demonstrated how ChatGPT can be used for instant, reliable A/B testing. Integrated ChatGPT Vision to show up to 98% alignment with consumer identity and 7% change in effectiveness from UI design. [Project 1](#) [Project 2](#)

Airbnb | May 2023 – Present

Developed two properties start-to-finish, plans for seven more in 2024. The average ROI is 3 months and average customer review is 4.95 stars. I am obsessed with giving the best customer experience and service no matter the industry.

Hackathons | May 2020 – May 2021

Led two teams which won OSU hackathons for building AI applications in NLP and computer vision.

Fitness and Coaching – I've helped six of my close friends with fitness and nutrition coaching.

Eagle Scout Project – I led youth to renovate a community theater on time, and within the designed budget.