

Evan Glas

evanglas.com | eglas27@gmail.com | (908) 303-3669 | [Linkedin](#)

EDUCATION

DUKE UNIVERSITY

MASTER OF SCIENCE

2023-2024 | Durham, NC

Program: MS in Electrical and Computer Engineering

Concentration: Machine Learning
GPA: 4.0 / 4.0

BACHELOR OF ENGINEERING

2020-2023 | Durham, NC

Majors: Electrical and Computer Engineering, Computer Science

Minor: Mathematics

Involvement: Duke Applied Machine Learning (DAML), HackDuke

Honors: Dean's List with Distinction
GPA: 3.91 / 4.0

PEDDIE SCHOOL

HS DIPLOMA

2016 - 2020 | Hightstown, NJ

Armellino Scholar: Awarded Full Merit Scholarship

Honors: National Merit Scholar • US Computing Olympiad Silver Division • Academic All-Mid Atlantic Prep League • Three-Sport Varsity Athlete
GPA: 4.0 / 4.0 • **SAT:** 1570/1600

COURSEWORK

Software Engineering • Database Systems • Algorithms • Operating Systems • Network Architecture • Parallel Programming • Data Structures • Deep Learning • Natural Language Processing • Statistical Inference • Bayesian Statistical Modeling • Information Theory • Applied Probability for Statistical Learning • Machine Learning • Linear Algebra • Multivariable Calculus • Probability • Differential Equations

SKILLS

Programming Languages

Python • Java • C++ • C • SQL • Q •

JavaScript • TypeScript • HTML • CSS
Libraries/Software

Pandas • Pytorch • Matplotlib •

Sci-kit Learn • SciPy • NumPy • React

Git • Linux • Tableau • FL Studio

Interests

Violin • Lacrosse • Poker • Fitness • Piano • Chess • Music Production

EXPERIENCE

RBC CAPITAL MARKETS | QUANTITATIVE STRATEGIES GROUP INTERN

June 2023 - August 2023 | New York, NY

- Rotations in quantitative research and domestic, international ETF market making
- Devised a pricing methodology and market making strategy for a particular ETF
- Researched dimensionality reduction technique for portfolio risk model
- Technologies used: **Python, Pandas, Scikit-Learn, Matplotlib, Q, KDB**

BNY MELLON | DATA SCIENCE INTERN

June 2022 - August 2022 | New York, NY

- Researched interpretable ML feature selection algorithms for forecasting models
- Built dashboard that reduced time to configure various financial models by 75%
- Technologies used: **Python, Pandas, Jupyter Widgets, Scikit-Learn, Matplotlib**

HACKDUKE | TECH TEAM LEAD

January 2022 - May 2023 | Durham, NC

- Led 12-person development team of [HackDuke](#) and [Code for Good](#) websites.
- Technologies used: **JavaScript, HTML, CSS, React, Bulma**

DUKE IMPACT INVESTING GROUP | PROJECT MANAGER, DATA ANALYST

Jan 2021 - December 2022 | Durham, NC

- Presented [data analysis projects](#) to startup leadership teams on topics including marketing, customer acquisition, growth strategy, and data pipelines
- Technologies used: **Python, Pandas, Tableau, Scikit-Learn, Matplotlib**

UPENN DAIR LAB | SUMMER RESEARCH INTERN

May 2019 - August 2019 | Philadelphia, PA

- Internship at UPenn Dynamic Autonomy & Intelligent Robotics Lab
- Streamlined data collection, processing, visualization through C++, Python scripts.
- Technologies used: **C++, Python, Matplotlib, Google Drive API**

PROJECTS

AI-ENABLED GEOGUESSR CLONE | [DEMO](#), [GITHUB](#), [REPORT](#)

React, JavaScript, Tailwind CSS, Google Maps API

Built a GeoGuessr clone with a computer vision AI opponent as part of ECE 487 class team project. Personally responsible for most of game logic and front-end.

ELUCIDATE CHROME EXTENSION | [CHROME STORE](#), [GITHUB](#), [DEVPOST](#)

AWS Lambda, OpenAI API, JavaScript, Chrome Extensions API

Built a Chrome Extension to convert the reading level and/or language of highlighted text in place. Won Education Track, People's Choice Award at Duke Generative AI Hackathon.

DISPERSION AND PAIRS TRADING ALGORITHM | [REPORT](#)

Python, Pandas, QuantConnect, PyPortfolioOpt

Built a dispersion/pairs trading algorithm with regularized Markowitz portfolio optimization for Math 585, Intro to Algorithmic Trading, class team project.

CS 671 CLASS KAGGLE COMPETITION | [WRITEUP](#), [GITHUB](#)

Python, Pandas, Scikit-Learn, Matplotlib

Built predictive model, conducted analysis on employee attrition dataset. Placed 6/145 for accuracy on [public leaderboard](#) in graduate machine learning class.

CLUSTERING VISUALIZER | [WEBSITE](#), [GITHUB](#)

JavaScript, HTML, CSS, Paper.js Vector Graphics Library

Built an interactive K-Means and DBSCAN clustering algorithm visualizer.