Evan Glas

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EDUCATION

DUKE UNIVERSITY
Master of Science
2023-2024 | Durham, NC
MS in Electrical & Computer Engineering

Bachelor of Engineering
2020-2023 | Durham, NC
Majors: Electrical & Computer Engineering, Computer Science
Involvement: Quantitative Finance Club, HackDuke, Duke Impact Investing Group
GPA: 3.88 / 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 • Cum Laude Society • Three-Sport Varsity Athlete
GPA: 4.0 / 4.0 • SAT: 1570/1600

COURSEWORK

Algorithmic Trading • Applied Probability for Statistical Learning • Graduate ML • Design and Analysis of Algorithms • Operating Systems • Computer Architecture • Computer Network Architecture • Data Structures • Advanced Linear Algebra • Advanced Multivariable Calculus • Probability • Differential Equations • Econometrics • Intro to Economics • AP Stats • AP Physics E&M

SKILLS

Programming Languages
Python • SQL • Java • C++ • JS • HTML • CSS • C • Matlab
Libraries
Pandas • Pytorch • Matplotlib • Sci-kit Learn • SciPy • NumPy • React JS
Software
Git • Tableau • MySQL • LaTeX • Altium
Other
FL Studio • Intermediate Spanish
Interests
Violin • Lacrosse • Poker • Fitness • Piano • Chess • Music Production

WORK EXPERIENCE

RBC CAPITAL MARKETS | Quantitative Strategies Group Intern
(Incoming) June 2023 - | New York, NY

BNY MELLON | Data Science Intern
June 2022 - August 2022 | New York, NY
- Researched interpretable machine learning algorithms for feature selection for business segment forecasting models (CCAR Team)
- Built Jupyter Widgets dashboard to configure parameters and run various financial models. Reduced time to configure models by 75% over previous method.
- Technologies used: **Python, Pandas, Jupyter Widgets, Scikit-Learn, Matplotlib**

DUKE IMPACT INVESTING GROUP | Project Manager, Data Analyst
Jan 2021 - Present | Durham, NC
- Presented data analysis projects to startup leadership teams on topics including marketing, customer acquisition, growth strategy, and data pipelines
- Built statistical models and data visualizations to find valuable insights in client data
- Technologies used: **Python, Pandas, Tableau, Scikit-Learn, Matplotlib**

HACKDUKE | Tech Team Lead
Jan 2022 - Present | Durham, NC
- Leading 12-person development team of HackDuke and Code for Good websites.
- Applied mobile-friendly design and collaborated with UI/UX design team to maximize site usability, provide information for prospective hackathon attendees
- Technologies used: **JavaScript, HTML, CSS, JS React, Next.js, Bulma**

DUKE INJURY BIOMECHANICS LAB | Independent Study
March 2021 - Present | Durham, NC
- Designed and built circuit to track eye movement via EOG electrode headset
- Researching signal-processing techniques to clean eye-tracking data
- Technologies used: **MATLAB, Altium**

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.
- Used Google Drive API to automatically update and retrieve experimental data.
- Wrote program to determine robot location via data from camera array.
- Technologies used: **C++, Python, Matplotlib, Google Drive API**

PROJECTS

CS 671 CLASS KAGGLE COMPETITION | Writeup, Github
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
Built an interactive clustering visualizer. Implements K-Means and DBSCAN algorithms using paper.js vector graphics library for canvas graphics, animations.

SPOKEN DIGIT CLASSIFICATION | Slides, Github
Implemented maximum likelihood models to classify spoken Arabic digits. Conducted feature engineering, trained K-Means and Gaussian Mixture models. Achieved 96% of test accuracy. Submitted as project for Statistical Learning class.