Evan Glas

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EDUCATION

DUKE UNIVERSITY
Bachelor of Engineering
2020-2024 | Durham, NC
Majors: Electrical & Computer Engineering, Computer Science, Concentration in ML
Involvement: Quantitative Finance Club, HackDuke, Duke Impact Investing Group
GPA: 3.85 / 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

UNDERGRADUATE
Applied Probability for Statistical Learning • Machine Learning • Data Structures • Advanced Linear Algebra • Advanced Multivariable Calculus • Signals and Systems • Computer Architecture • Intro to Economics • Probability • Differential Equations• Duke Quantitative Finance Club Training Course

HIGH SCHOOL
Calculus-Based Statistics • AP Statistics • 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

BNY MELLON | Data Science Intern
Summer 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**

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 experimentation process (data collection, processing, and visualization) through various C++ and 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

CLUSTERING VISUALIZER | Website, Github
Built an interactive clustering visualizer which implements K-Means and DBSCAN algorithms. Implemented 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 and trained K-Means and Gaussian Mixture models. Correctly identified 96% of test samples. Submitted as project for Statistical Learning class.

HOUSING PRICE PREDICTION | Github
Implemented a random forest and XGBoost model to predict housing prices using the Ames Housing Dataset. Completed data cleaning, feature engineering, model tuning to achieve top 10% of submitted work on Kaggle competition.